National Pollutant Release Inventory (NPRI) and Partners





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Report Preview

Report Details

Report Year 2019

Report Type: NPRI,ON MECP TRA

Report Status: Submitted

Modified Date/Time: 2020-07-07 11:42 AM

Company and Facility Details

Company Name: Linamar Corp.

Business Number: 103333662

DUNS Number 205152171

Mailing Address: Delivery Mode: GeneralDelivery

Address Line 1: 287 Speedvale Avenue West

City: Guelph

Province/Territory: Ontario Postal Code: N1H 1C5 Country: Canada

Facility Name: Corvex Manufacturing

NAICS Code: 336390

NPRI ID: 7259

Portable: No

Physical Address: Address Line 1: 12 Independence Place

City: Guelph

Province/Territory: Ontario Postal Code: N1K 1H8 Country: Canada

Latitude: 43.5304 Longitude: -80.3078 UTM Zone: 17 UTM Easting: 584607 UTM Northing: 4130707

Parent Companies

Company Name: Linamar Corporation

Business Number: 103333662

DUNS Number 206993862

Percentage owned:

100.00

Civic Address:

Address Line 1: 287 Speedvale Avenue West

City: Guelph

Province/Territory: Ontario Postal Code: N1H 1C5 Country: Canada

Contacts Details

Contact Type **Technical Contact**

Name: Jeffrey King

Position: **EHS Specialist**

Telephone: 5197637786

Extension 42253

Email: jeffrey.king@linamar.com

Contact Type Certifying Official, Highest Ranking Employee

Name: Derek Stemmler

Position: General Manager

Telephone: 5197637786

Extension 42600

Fax: 5197632507

Email: Derek.Stemmler@Linamar.com

Contact Type Person who prepared the report

Name: Jenna Devereaux

Position: **Environmental Engineer**

Telephone: 2263260115

Extension 37676

Email: Jenna.Devereaux@Linamar.com

Mailing Address: Address Line 1: 545 Elmira Road

City: Guelph

Province/Territory: Ontario Postal Code: N1K 1C2 Country: Canada

General Information

Number of employees:

Activities for Which the 20,000-Hour Employee Threshold Does Not Apply:

Activities Relevant to Reporting Dioxins, Furans and Hexacholorobenzene:

Activities Relevant to Reporting of Polycyclic Aromatic Hydrocarbons (PAHs):

Does this facility release less than the reporting threshold for each Part 4 substance AND have one or more light or medium crude

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No

None of the above

None of the above

Wood preservation using creosote: No

oil batteries with a total oil throughput for the battery components of the facility of $\geq 1,900$ m3 per year? Did the facility operate one or more electricity generation units that had a capacity of 25 MW or more and that distributed or sold to the grid 33% or more of its potential electrical output in the calendar year? Is this the first time the facility is reporting to No the NPRI (under current or past ownership): Is the facility controlled by another Canadian Yes company or companies: Does this facility solely consist of compression No equipment in the oil and gas extraction

Substance List

Contaminants):

Is the facility required to report one or more

NPRI Part 4 substances (Criteria Air

sector?

| CAS RN | Substance Name | Releases | Releases (Speciated VOCs) | Disposals | Recycling | Unit |
|---------|----------------------------|----------|---------------------------|-----------|-----------|--------|
| NA - 06 | Copper (and its compounds) | N/A | N/A | N/A | 86.920000 | tonnes |
| NA - 14 | Zinc (and its compounds) | N/A | N/A | N/A | 30.930000 | tonnes |

Applicable Programs

| CAS RN | Substance Name | NPRI | ON MECP TRA | 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

No

| 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 an article component | |
| NA - 14 | Zinc (and its compounds) | For on-site use/processing | As an article component | |

TRA Quantifications

| CAS RN | Substance Name | Use, Creation, Contained in Product | Quantity | Use ranges for public reporting |
|---------|----------------------------|-------------------------------------|---------------|---------------------------------|
| NA - 06 | Copper (and its compounds) | Use | 499.07 tonnes | No |
| NA - 06 | Copper (and its compounds) | Creation | 0 tonnes | No |
| | | | | |

| CAS RN | Substance Name | Use, Creation, Contained in Product | Quantity | Use ranges for public reporting |
|---------|----------------------------|-------------------------------------|---------------|---------------------------------|
| NA - 06 | Copper (and its compounds) | Contained in Product | 412.15 tonnes | No |
| NA - 14 | Zinc (and its compounds) | Use | 145.19 tonnes | No |
| NA - 14 | Zinc (and its compounds) | Creation | 0 tonnes | No |
| NA - 14 | Zinc (and its compounds) | Contained in Product | 114.26 tonnes | No |

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) | Other (specify in comment field) | Copper (and its compounds) is not released on-site. |
| NA - 14 | Zinc (and its compounds) | Other (specify in comment field) | Zinc (and its compounds) is not released on-site. |

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) | | Other (specify in comment field) | Copper (and its compounds) is not disposed of (on-site or off-site), or transferred for treatment prior to final disposal. |
| NA - 14 | Zinc (and its compounds) | | Other (specify in comment field) | Zinc (and its compounds) is not disposed of (on-site or off-site), or transferred for treatment prior to final disposal. |

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 | | 86.92 tonnes |
| NA - 14 | Zinc (and its compounds) | Recovery of Metals and Metal Compounds | C - Mass Balance | | 30.93 tonnes |

Recycling - Off-site Transfers for Recycling - Total

| CAS RN | Substance Name | Total - Off-site Transfers for Recycling |
|---------|----------------------------|--|
| NA - 06 | Copper (and its compounds) | 86.92 tonnes |
| NA - 14 | Zinc (and its compounds) | 30.93 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 Metals Recycling | 200 Dawson Rd., Guelph, ON, Canada | 86.92 tonnes |
| NA - 14 | Zinc (and its compounds) | Recovery of Metals and Metal Compounds | Gerdau Ameristeel Metals Recycling | 200 Dawson Rd., Guelph, ON, Canada | 30.93 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 Off-specification products Unusable parts or discards | No significant change (i.e. <10% or no change) | |
| NA - 14 | Zinc (and its compounds) | Production Residues Off-specification products Unusable parts or discards | No significant change (i.e. <10% or no change) | |

| 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) | 499.07 tonnes | 544.58 tonnes | 2018 | -45.51 | -8.36 |
| NA - 06 | Copper (and its compounds) | No | Creation | 0 tonnes | 0 tonnes | 2018 | 0 | |
| NA - 06 | Copper (and its compounds) | No | Contained in Product | 412.15 tonnes | 450.49 tonnes | 2018 | -38.34 | -8.51 |
| NA - 14 | Zinc (and its compounds) | No | Enters the facility (Use) | 145.19 tonnes | 149.14 tonnes | 2018 | -3.95 | -2.65 |
| NA - 14 | Zinc (and its compounds) | No | Creation | 0 tonnes | 0 tonnes | 2018 | 0 | |
| NA - 14 | Zinc (and its compounds) | No | Contained in Product | 114.26 tonnes | 117.49 tonnes | 2018 | -3.23 | -2.75 |

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) | No reasons - quantities approximately the same | |
| NA - 14 | Zinc (and its compounds) | No reasons - quantities approximately the same | |

Comparison Report - Transfers off-site for Recycling

| CA | S 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 | 86.92 tonnes | 94.09 tonnes | 2018 | -7.17 | -7.62 |
| NA | - 14 | Zinc (and its compounds) | No | Total off-site Transfers for Recycling | 30.93 tonnes | 31.64 tonnes | 2018 | -0.71 | -2.24 |

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) | No reasons - quantities approximately the same | |
| NA - 14 | Zinc (and its compounds) | No reasons - quantities approximately the same | |

Pollution Prevention

Does the facility have a documented pollution prevention plan?

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

If no, please select all applicable reasons from the list below:

No

No

Other (please specify): Copper and Zinc are article components of the raw material and a byproduct of the finished goods from machining operations. All scrap metal generated as a part of our operations is recycled/recovered. Therefore, no pollution prevention activities are applicable at this time.

Progress on TRA Plan - Objectives

Substance CAS RN Objectives Name Copper The objective of this plan is to determine opportunities that may be available and which are technically and economically feasible to reduce NA - 06 the use of identified toxic substances. compounds) The objective of this Plan is to identify and evaluate a variety of toxics substance reduction options to reduce the use, disposal and Zinc (and contained in product of zinc at the Facility. Further, this plan will determine the technical and economic feasibility of each option to determine NA - 14 which, if any, are viable for implementation at this time. Based on a review of the Facility's operations, Corvex was unable to identify any compounds) feasible reduction options. Therefore, there are no reduction objectives. Corvex will strive to reduce the use, disposal or contained in product of zinc in the future, should an option become available.

Progress on TRA Plan - Use Targets

CAS RN Substance Name Quantity Years Description of Target

| NA - 06 | Copper (and its compounds) | 83.19 tonnes | 1 | |
|---------|----------------------------|--------------------|--------------------|--|
| 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 | |
| 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 | | Public summary of the comparison of the steps |
|---------|----------------------------------|---|---|---|-------------------|---|
| NA - 06 | Copper (and its compounds) | Instituted procedures to ensure that materials do not stay in inventory beyond shelf-life | Corvex has a firm commitment to protection of the Environment coupled with a strong culture of continuous improvement resulting in a lean and efficient manufacturing facility. This, coupled with the acknowledgement that the customer provides the specifications for the raw material process assures us that there are no additional opportunities for reduction at this time. | Corvex has a firm commitment to protection of the Environment coupled with a strong culture of continuous improvement resulting in a lean and efficient manufacturing facility. This, coupled with the acknowledgement that the customer provides the specifications for the raw material process assures us that there are no additional opportunities for reduction at this time. | Same as TRA plan. | Corvex has a firm commitment to protection of the Environment coupled with a strong culture of continuous improvement resulting in a lean and efficient manufacturing facility. This, coupled with the acknowledgement that the customer provides the specifications for the raw material process assures us that there are no additional opportunities for reduction at this time. |
| NA - 06 | Copper (and its compounds) | Other | Corvex has a firm commitment to protection of the Environment coupled with a strong culture of continuous improvement resulting in a lean and efficient manufacturing facility. This, coupled with the acknowledgement that the customer provides the specifications for the raw material process assures us that there are no additional opportunities for reduction at this time. | Corvex has a firm commitment to protection of the Environment coupled with a strong culture of continuous improvement resulting in a lean and efficient manufacturing facility. This, coupled with the acknowledgement that the customer provides the specifications for the raw material process assures us that there are no additional opportunities for reduction at this time. | Same as TRA plan. | Corvex has a firm commitment to protection of the Environment coupled with a strong culture of continuous improvement resulting in a lean and efficient manufacturing facility. This, coupled with the acknowledgement that the customer provides the specifications for the raw material process assures us that there are no additional opportunities for reduction at this time. |

| 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) | Instituted procedures to ensure that materials do not stay in inventory beyond shelf-life | Yes | |
| NA - 06 | Copper (and its compounds) | Other | Yes | |

Progress on TRA Plan - Reductions due to Options Implemented - Improved inventory management or purchasing techniques

| CAS RN | Substance Name | Activity | Reductions due to Options Implemented | Quantity |
|---------|----------------------------|---|--|-----------|
| NA - 06 | Copper (and its compounds) | Instituted procedures to ensure that materials do not stay in inventory beyond shelf-life | The amount of reduction in use 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) | Instituted procedures to ensure that materials do not stay in inventory beyond shelf-life | The amount of reduction in creation 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) | Instituted procedures to ensure that materials do not stay in inventory beyond shelf-life | The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the steps described: | No Amount |
| NA - 06 | Copper (and its compounds) | Instituted procedures to ensure that materials do not stay in inventory beyond shelf-life | The amount of reduction in release to air 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) | Instituted procedures to ensure that materials do not stay in inventory beyond shelf-life | The amount of reduction in release to water 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) | Instituted procedures to ensure that materials do not stay in inventory beyond shelf-life | The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to steps described: | No Amount |

| CAS RN | Substance Name | Activity | Reductions due to Options Implemented | Quantity |
|---------|----------------------------|---|--|-----------|
| NA - 06 | Copper (and its compounds) | Instituted procedures to ensure that materials do not stay in inventory beyond shelf-life | The amount of reduction in the substance disposed on-site (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) | Instituted procedures to ensure that materials do not stay in inventory beyond shelf-life | The amount of reduction in the substance disposed off-site (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) | Instituted procedures to ensure that materials do not stay in inventory beyond shelf-life | The amount of reduction in the substance recycled off-site 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 - On-site reuse, recycling or recovery

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

Feedback

Comments on the Reporting System

Very satisfied. Did not encounter any technical issues, but there is room for improvement.

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) Derek Stemmler | |
| Report Submitted by | |
| Derek Stemmler | |

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 2020-07-07, I, Derek Stemmler, 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

| NA - 06 | Copper (and its compounds) | | |
|------------------------|----------------------------|--|--|
| NA - 14 | Zinc (and its compounds) | | |
| | | | |
| Company Name | | | |
| Linamar Corp. | | | |
| | | | |
| Highest Ranking Employ | ee | | |
| Derek Stemmler | | | |
| Danart Cubmitted by | | | |
| Report Submitted by | | | |
| Derek Stemmler | | | |
| Website address | | | |
| | | | |
| https://www.linamar.co | m/sustainability | | |

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 |
|--------|-----------------|-------------------------|----------|--------|---------------------|
| 2019 | 2020-07-07 | Corvex Manufacturing | 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: 3.16.0

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