Report Preview

Report Details

Report Year	2019
Report Type:	NPRI,ON MECP TRA
Report Status:	Submitted
Modified Date/Time:	2020-06-03 1:24 PM

Company and Facility Details

Company Name:	Vehcom Manufacturing
Business Number:	103333662
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 74 Campbell Road City: Guelph Province/Territory: Ontario Postal Code: N1H 1C1 Country: Canada
Facility Name:	VEHCOM MANUFACTURING
NAICS Code:	336110
NPRI ID:	7060
Portable:	No
Physical Address:	Address Line 1: 74 Campbell Road City: Guelph Province/Territory: Ontario Postal Code: N1H 1C1 Country: Canada Latitude: 43.5495 Longitude: -80.288 UTM Zone: 17 UTM Easting: 557466 UTM Northing: 4822105

Parent Companies

Company Name:	Linamar Corporation
Business Number:	103333662
DUNS Number	206993862
Percentage owned:	100.00
Civic Address:	Address Line 1: 287 Speedvale Avenue

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

Contacts Details

Contact Type	Technical Contact
Name:	Nelson Pimentel
Position:	Quality Manager
Telephone:	5198211650
Extension	22606
Email:	nelson.pimentel@linamar.com

Contact Type	Certifying Official, Highest Ranking Employee
Name:	Thomas Horvat
Position:	General Manager
Telephone:	5198211650
Extension	22600
Fax:	5198219774
Email:	thomas.horvat@linamar.com

Contact Type	Person who prepared the report
Name:	Laura Raetsen
Position:	EHS Coordinator
Telephone:	5198211650
Extension	22346
Email:	laura.raetsen@linamar.com
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 74 Campbell Road City: Guelph Province/Territory: Ontario Postal Code: N1H 1C1 Country: Canada

General Information

Number of employees:	466
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
Does this facility release less than the reporting threshold for each Part 4 substance AND have one or more light or medium crude oil batteries with a total oil throughput for the	No

battery components of the facility of ≥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?	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
Does this facility solely consist of compression equipment in the oil and gas extraction sector?	No
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 - 04	Chromium (and its compounds)	N/A	N/A	N/A	117.370000	tonnes
NA - 06	Copper (and its compounds)	N/A	N/A	N/A	36.450000	tonnes
NA - 09	Manganese (and its compounds)	N/A	N/A	N/A	107.500000	tonnes

Applicable Programs

CAS RN	Substance Name	NPRI	ON MECP TRA	First report for this substance to the ON MECP TRA
NA - 04	Chromium (and its compounds)	Yes	Yes	No
NA - 06	Copper (and its compounds)	Yes	Yes	No
NA - 09	Manganese (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 - 04	Chromium (and its compounds)	No	No	No
NA - 06	Copper (and its compounds)	No	No	No
NA - 09	Manganese (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 - 04	Chromium (and its compounds)	No	No	Yes
NA - 06	Copper (and its compounds)	No	No	Yes
NA - 09	Manganese (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 - 04	Chromium (and its compounds)	For on-site use/processing	As an article component	
NA - 06	Copper (and its compounds)	For on-site use/processing	As an article component	
NA - 09	Manganese (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 - 04	Chromium (and its compounds)	Use	410.00 tonnes	No
NA - 04	Chromium (and its compounds)	Creation	0 tonnes	No
NA - 04	Chromium (and its compounds)	Contained in Product	292.62 tonnes	No
NA - 06	Copper (and its compounds)	Use	164.94 tonnes	No
NA - 06	Copper (and its compounds)	Creation	0 tonnes	No
NA - 06	Copper (and its compounds)	Contained in Product	128.49 tonnes	No
NA - 09	Manganese (and its compounds)	Use	379.87 tonnes	No
NA - 09	Manganese (and its compounds)	Creation	0 tonnes	No
NA - 09	Manganese (and its compounds)	Contained in Product	272.38 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 - 04	Chromium (and its compounds)					No	
NA - 06	Copper (and its compounds)					No	
NA - 09	Manganese (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 - 04	Chromium (and its compounds)	Other (specify in comment field)	Chromium (and its compounds) is not released on-site.
NA - 06	Copper (and its compounds)	Other (specify in comment field)	Copper (and its compounds) is not released on-site.
NA - 09	Manganese (and its compounds)	Other (specify in comment field)	Manganese (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 - 04	Chromium (and its compounds)		Other (specify in comment field)	Chromium (and its compounds) is not disposed of (on-site or off-site), or transferred for treatment prior to final disposal.
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 - 09	Manganese (and its compounds)		Other (specify in comment field)	Manganese (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 - 04	Chromium (and its compounds)	Recovery of Metals and Metal Compounds	C - Mass Balance		117.37 tonnes
NA - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	C - Mass Balance		36.45 tonnes
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	C - Mass Balance		107.50 tonnes

Recycling - Off-site Transfers for Recycling - Total

CAS RN	Substance Name	Total - Off-site Transfers for Recycling
NA - 04	Chromium (and its compounds)	117.37 tonnes
NA - 06	Copper (and its compounds)	36.45 tonnes
NA - 09	Manganese (and its compounds)	107.50 tonnes

Recycling - Off-site Transfers for Recycling - By Facility

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
NA - 04	Chromium (and its compounds)	Recovery of Metals and Metal Compounds	Gerdau Ameristeel Metals Recycling	200 Dawson Rd., Guelph, ON, Canada	117.37 tonnes
NA - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	Gerdau Ameristeel Metals Recycling	200 Dawson Rd., Guelph, ON, Canada	36.45 tonnes
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	Gerdau Ameristeel Metals Recycling	200 Dawson Rd., Guelph, ON, Canada	107.50 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 - 04	Chromium (and its compounds)	Production Residues Off-specification products Unusable parts or discards	No significant change (i.e. <10% or no change)	
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 - 09	Manganese (and its compounds)	Production Residues Off-specification products Unusable parts or discards	No significant change (i.e. <10% or no change)	

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 - 04	Chromium (and its compounds)	No	Enters the facility (Use)	410.00 tonnes	314.53 tonnes	2018	95.47	30.35
NA - 04	Chromium (and its compounds)	No	Creation	0 tonnes	0 tonnes	2018	0	
NA - 04	Chromium (and its compounds)	No	Contained in Product	292.62 tonnes	192.09 tonnes	2018	100.53	52.33
NA - 06	Copper (and its compounds)	No	Enters the facility (Use)	164.94 tonnes	102.33 tonnes	2018	62.61	61.18
NA - 06	Copper (and its compounds)	No	Creation	0 tonnes	0 tonnes	2018	0	
NA - 06	Copper (and its compounds)	No	Contained in Product	128.49 tonnes	65.54 tonnes	2018	62.95	96.05
NA - 09	Manganese (and its compounds)	No	Enters the facility (Use)	379.87 tonnes	293.35 tonnes	2018	86.52	29.49
NA - 09	Manganese (and its compounds)	No	Creation	0 tonnes	0 tonnes	2018	0	
NA - 09	Manganese (and its compounds)	No	Contained in Product	272.38 tonnes	180.71 tonnes	2018	91.67	50.73

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 04	Chromium (and its compounds)	Increase in production levels	
NA - 06	Copper (and its compounds)	Increase in production levels	
NA - 09	Manganese (and its compounds)	Increase 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 - 04	Chromium (and its compounds)	No	Total off-site Transfers for Recycling	117.37 tonnes	122.44 tonnes	2018	-5.07	-4.14
NA - 06	Copper (and its compounds)	No	Total off-site Transfers for Recycling	36.45 tonnes	36.79 tonnes	2018	-0.34	-0.92
NA - 09	Manganese (and its compounds)	No	Total off-site Transfers for Recycling	107.50 tonnes	112.64 tonnes	2018	-5.14	-4.56

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 04	Chromium (and its compounds)	No reasons - quantities approximately the same	
NA - 06	Copper (and its compounds)	No reasons - quantities approximately the same	
NA - 09	Manganese (and its compounds)	No reasons - quantities approximately the same	

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
If no, please select all applicable reasons from the list below:	Other (please specify): Chromium, copper and manganese are article components of the raw material and a by-product 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

CAS RN	Substance Name	Objectives
NA - 04	Chromium (and its compounds)	Vehcom prides itself on technological innovation in order to produce high quality automotive parts in an environmentally responsible manner. Through this plan, Vehcom determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time.
NA - 06	Copper (and its compounds)	Vehcom prides itself on technological innovation in order to produce high quality automotive parts in an environmentally responsible manner. Through this plan, Vehcom determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time.
NA - 09	Manganese (and its compounds)	Vehcom prides itself on technological innovation in order to produce high quality automotive parts in an environmentally responsible manner. Through this plan, Vehcom determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time

Progress on TRA Plan - Use Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
NA - 04	Chromium (and its compounds)	469.4 kg	2	End of 2014
NA - 06	Copper (and its compounds)	1485.5 kg	2	End of 2014
NA - 09	Manganese (and its compounds)	1961.67 kg	2	End of 2014

Progress on TRA Plan - Creation Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
NA - 04	Chromium (and its compounds)	No quantity target	No timeline target	
NA - 06	Copper (and its compounds)	No quantity target	No timeline target	
NA - 09	Manganese (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 - 04	Chromium (and its compounds)	Other	Vehcom worked with suppliers to reduce foundry defects. The amount of scrap parts was also reduced by increasing employee awareness and operator training.	Vehcom worked with suppliers to reduce foundry defects. The amount of scrap parts was also reduced by increasing employee awareness and operator training.	Same as TRA plan.	Vehcom worked with suppliers to reduce foundry defects. The amount of scrap parts was also reduced by increasing employee awareness and operator training.
NA - 04	Chromium (and its compounds)	Training related to toxics substance reduction	Vehcom reduced the amount of scrap parts by increasing employee awareness and operator training.	Vehcom reduced the amount of scrap parts by increasing employee awareness and operator training.	Same as TRA plan.	Vehcom reduced the amount of scrap parts by increasing employee awareness and operator training.
			Vehcom worked with suppliers to reduce foundry defects	Vehcom worked with suppliers to reduce foundry defects		Vehcom worked with suppliers to reduce foundry defects

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	pertaining to copper and reduce material being disposed of. The amount of scrap was also reduced through use of the scrap attack program and increasing operator training.	pertaining to copper and reduce material being disposed of. The amount of scrap was also reduced through use of the scrap attack program and increasing operator training.	Same as TRA plan.	pertaining to copper and reduce material being disposed of. The amount of scrap was also reduced through use of the scrap attack program and increasing operator training.
NA - 06	Copper (and its compounds)	Changed product specifications	Vehcom worked with suppliers to reduce foundry defects pertaining to copper and reduce material being disposed of. The amount of scrap parts was also reduced by increasing employee awareness and operator training.	Vehcom worked with suppliers to reduce foundry defects pertaining to copper and reduce material being disposed of. The amount of scrap parts was also reduced by increasing employee awareness and operator training.	Same as TRA plan	Vehcom worked with suppliers to reduce foundry defects pertaining to copper and reduce material being disposed of. The amount of scrap parts was also reduced by increasing employee awareness and operator training.
NA - 06	Copper (and its compounds)	Training related to toxics substance reduction	Production employees were trained to reduce machining scrap, thus reducing disposal of material.	Production employees were trained to reduce machining scrap, thus reducing disposal of material.	Same as TRA plan.	Production employees were trained to reduce machining scrap, thus reducing disposal of material.
NA - 09	Manganese (and its compounds)	Other	Vehcom worked with suppliers to reduce foundry defects pertaining to manganese in order to reduce materials being disposed of. The amount of scrap parts was also reduced by increasing employee awareness and operator training.	Vehcom worked with suppliers to reduce foundry defects pertaining to manganese in order to reduce materials being disposed of. The amount of scrap parts was also reduced by increasing employee awareness and operator training.	Same as TRA plan	Vehcom worked with suppliers to reduce foundry defects pertaining to manganese in order to reduce materials being disposed of. The amount of scrap parts was also reduced by increasing employee awareness and operator training.
NA - 09	Manganese (and its compounds)	Changed product specifications	Customer specification guides in material used.	Customer specification guides in material used.	Same as TRA plan.	Customer specification guides in material used.
NA - 09	Manganese (and its compounds)	Training related to toxics substance reduction	Production employees were trained to reduce machining scrap, thus reducing disposal of material.	Production employees were trained to reduce machining scrap, thus reducing disposal of material.	Same as TRA plan.	Production employees were trained to reduce machining scrap, thus reducing disposal of material.

CAS RN	Substance Name	Activity	Will the timelines in the current version of the plan will be met	Comments:
NA - 04	Chromium (and its compounds)	Other	Yes	
NA - 04	Chromium (and its compounds)	Training related to toxics substance reduction	Yes	
NA - 06	Copper (and its compounds)	Other	Yes	
NA - 06	Copper (and its compounds)	Changed product specifications	Yes	
NA - 06	Copper (and its compounds)	Training related to toxics substance reduction	Yes	
NA - 09	Manganese (and its compounds)	Other	Yes	
NA - 09	Manganese (and its compounds)	Changed product specifications	Yes	
NA - 09	Manganese (and its compounds)	Training related to toxics substance reduction	Yes	

Progress on TRA Plan - Reductions due to Options Implemented - Materials or feedstock substitution

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
NA - 04	Chromium (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 - 04	Chromium (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 - 04	Chromium (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 - 04	Chromium (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:	No Amount
NA - 04	Chromium (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:	No Amount
NA - 04	Chromium (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:	No Amount
NA - 04	Chromium (and its compounds)	Other	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

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
NA - 04	Chromium (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 - 04	Chromium (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
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:	No Amount
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:	No Amount
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:	No Amount
NA - 06	Copper (and its compounds)	Other	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)	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
NA - 09	Manganese (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 - 09	Manganese (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 - 09	Manganese (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 - 09	Manganese (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:	No Amount
NA - 09	Manganese (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:	No Amount
NA - 09	Manganese (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:	No Amount
NA - 09	Manganese (and its compounds)	Other	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 - 09	Manganese (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 - 09	Manganese (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 - Reductions due to Options Implemented - Product design or reformulation

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
NA - 06	Copper (and its compounds)	Changed product specifications	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)	Changed product specifications	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)	Changed product specifications	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)	Changed product specifications	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)	Changed product specifications	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)	Changed product specifications	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
NA - 06	Copper (and its compounds)	Changed product specifications	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)	Changed product specifications	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)	Changed product specifications	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
NA - 09	Manganese (and its compounds)	Changed product specifications	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 - 09	Manganese (and its compounds)	Changed product specifications	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 - 09	Manganese (and its compounds)	Changed product specifications	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 - 09	Manganese (and its compounds)	Changed product specifications	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

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
NA - 09	Manganese (and its compounds)	Changed product specifications	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 - 09	Manganese (and its compounds)	Changed product specifications	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
NA - 09	Manganese (and its compounds)	Changed product specifications	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 - 09	Manganese (and its compounds)	Changed product specifications	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 - 09	Manganese (and its compounds)	Changed product specifications	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 - Good operator practice or training

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
NA - 04	Chromium (and its compounds)	Training related to toxics substance reduction	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 - 04	Chromium (and its compounds)	Training related to toxics substance reduction	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 - 04	Chromium (and its compounds)	Training related to toxics substance reduction	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 - 04	Chromium (and its compounds)	Training related to toxics substance reduction	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 - 04	Chromium (and its compounds)	Training related to toxics substance reduction	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 - 04	Chromium (and its compounds)	Training related to toxics substance reduction	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
NA - 04	Chromium (and its compounds)	Training related to toxics substance reduction	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 - 04	Chromium (and its compounds)	Training related to toxics substance reduction	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 - 04	Chromium (and its compounds)	Training related to toxics substance reduction	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
NA - 06	Copper (and its compounds)	Training related to toxics substance reduction	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)	Training related to toxics substance reduction	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)	Training related to toxics substance reduction	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)	Training related to toxics substance reduction	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)	Training related to toxics substance reduction	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)	Training related to toxics substance reduction	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
NA - 06	Copper (and its compounds)	Training related to toxics substance reduction	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)	Training related to toxics substance reduction	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)	Training related to toxics substance reduction	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
NA - 09	Manganese (and its compounds)	Training related to toxics substance reduction	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 - 09	Manganese (and its compounds)	Training related to toxics substance reduction	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

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
NA - 09	Manganese (and its compounds)	Training related to toxics substance reduction	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 - 09	Manganese (and its compounds)	Training related to toxics substance reduction	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 - 09	Manganese (and its compounds)	Training related to toxics substance reduction	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 - 09	Manganese (and its compounds)	Training related to toxics substance reduction	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
NA - 09	Manganese (and its compounds)	Training related to toxics substance reduction	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 - 09	Manganese (and its compounds)	Training related to toxics substance reduction	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 - 09	Manganese (and its compounds)	Training related to toxics substance reduction	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 - 04	Chromium (and its compounds)	No		
NA - 06	Copper (and its compounds)	No		
NA - 09	Manganese (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 - 04	Chromium (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 - 04	Chromium (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 - 04	Chromium (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 - 04	Chromium (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 - 04	Chromium (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 - 04	Chromium (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 - 04	Chromium (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 - 04	Chromium (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 - 04	Chromium (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 - 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.	

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
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 - 09	Manganese (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 - 09	Manganese (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 - 09	Manganese (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 - 09	Manganese (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 - 09	Manganese (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 - 09	Manganese (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 - 09	Manganese (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 - 09	Manganese (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 - 09	Manganese (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 - 04	Chromium (and its compounds)	No		
NA - 06	Copper (and its compounds)	No		
NA - 09	Manganese (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

Vehcom Manufacturing

Certifying Official (or authorized delegate)

Thomas Horvat

Report Submitted by

Thomas Horvat

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 2020-06-03, I, Thomas Horvat, 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 - 04	Chromium (and its compounds)
NA - 06	Copper (and its compounds)
NA - 09	Manganese (and its compounds)

Company Name

Vehcom Manufacturing

Highest Ranking Employee

Thomas Horvat

Report Submitted by

Thomas Horvat

Website address

https://www.linamar.com/sustainability?lms=#section-middle2

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	2020-06-03	VEHCOM 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