Report Preview

Report Details

Report Year	2018
Report Type:	NPRI,ON MECP TRA
Report Status:	Ready to Submit
Modified Date/Time:	24/05/2019 9:55 AM

Company and Facility Details

Company Name:	Ampacet Canada Co.
Business Number:	896699220
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 101 Sasaga Drive City, Province/Territory, Postal Code: Kitchener Ontario N2C 2G8 Country: Canada
Facility Name:	Ampacet Canada Co.
NAICS Code:	326198
NPRI ID:	931
ON Reg 127/01 ID:	1280500
Portable:	No
Physical Address:	Address Line 1: 101 Sasaga Drive City, Province/Territory, Postal Code: Kitchener Ontario N2C 2G8 Country: Canada Latitude: 43.4061 Longitude: -80.4531 UTM Zone: 17 UTM Easting: 544332 UTM Northing: 4806047

Permits

Number or Permit Number:	0740-6VSRBC
Government Department, Agency, or Program Name:	MOE

Contacts Details

Contact Type	Technical Contact, Person who prepared the report, Person who coordinated the preparation of the Toxics Reduction Plan
Name:	Gerry Smith
Position:	ISO/H&S Administrator

Telephone:	5197485576
Extension	290
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Contact Type	Certifying Official, Highest Ranking Employee
Name:	Keith Walton
Position:	Plant Manager
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General Information

Number of employees:	75
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:	No
Did the facility report under other environmental regulations or permits:	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 - 19	Hexavalent chromium (and its compounds)	N/A	N/A	141.0000	481.0000	kg
NA - 08	Lead (and its compounds)	N/A	N/A	757.0000	2571.0000	kg

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 - 19	Hexavalent chromium (and its compounds)	Yes	Yes		No
NA - 08	Lead (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 - 19	Hexavalent chromium (and its compounds)	No	No	No
NA - 08	Lead (and its compounds)	No	No	No

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

	Was the substance disposed of (on-site or	Is the facility required to report on disposals	Was the substance

CAS RN	Substance Name	off-site), or transferred for treatment prior to final disposal	of tailings and waste rock for the selected reporting period	transferred off-site for recycling
NA - 19	Hexavalent chromium (and its compounds)	Yes	No	Yes
NA - 08	Lead (and its compounds)	Yes	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 - 19	Hexavalent chromium (and its compounds)	For on-site use/processing	As a formulation component	
NA - 08	Lead (and its compounds)	For on-site use/processing	As a formulation component	

TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity	Use ranges for public reporting
NA - 19	Hexavalent chromium (and its compounds)	Use	20753 kg	Yes
NA - 19	Hexavalent chromium (and its compounds)	Creation	0 kg	Yes
NA - 19	Hexavalent chromium (and its compounds)	Contained in Product	20131 kg	Yes
NA - 08	Lead (and its compounds)	Use	110520 kg	Yes
NA - 08	Lead (and its compounds)	Creation	0 kg	Yes
NA - 08	Lead (and its compounds)	Contained in Product	107193 kg	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 - 19	Hexavalent chromium (and its compounds)					No	
NA - 08	Lead (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 - 08	Lead (and its compounds)	Increase in production levels	There are no on-site releases.
NA - 19	Hexavalent chromium (and its compounds)	Increase in production levels	There were no on-site releases.

Disposals - Off-site Disposal (excluding Tailings and Waste Rock)

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 19	Hexavalent chromium (and its compounds)	Landfill	C - Mass Balance		141 kg
NA - 08	Lead (and its compounds)	Landfill	C - Mass Balance		757 kg

Disposals - Off-site Disposal (excluding Tailings and Waste Rock) - Total

CAS RN	Substance Name	Total - Off-site Disposals
NA - 19	Hexavalent chromium (and its compounds)	141 kg
NA - 08	Lead (and its compounds)	757 kg

Disposals - Off-site Disposal (excluding Tailings and Waste Rock) - By Facilities

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
NA - 08	Lead (and its compounds)	Landfill	Panda Environmental	132 Earl Thompson Place, North Dumphries, ON, Canada	757 kg
NA - 19	Hexavalent chromium (and its compounds)	Landfill	Panda Environmental	132 Earl Thompson Place, North Dumphries, ON, Canada	141 kg

Disposals - Total Quantity Disposed (All Media)

CAS RN	Substance Name	Total Quantity Disposed (All Media)
NA - 19	Hexavalent chromium (and its compounds)	141 kg
NA - 08	Lead (and its compounds)	757 kg

Disposals - Reasons and Comments

	Reasons Why	Reasons for Changes in

CAS RN	Substance Name	Substance Was Disposed	Quantities from Previous Year	Comments
NA - 08	Lead (and its compounds)	Production residues Off-specification products	Increase in production levels	
NA - 19	Hexavalent chromium (and its compounds)	Production residues Off-specification products	Increase in production levels	Waste was sent to hazardous waste landfill without treatment through Panada Environmental Services instead of for treatment and disposal through New Alta.

Recycling - Off-site Transfers for Recycling

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 19	Hexavalent chromium (and its compounds)	Other	C - Mass Balance		481 kg
NA - 08	Lead (and its compounds)	Other	C - Mass Balance		2571 kg

Recycling - Off-site Transfers for Recycling - Total

CAS RN	Substance Name	Total - Off-site Transfers for Recycling
NA - 19	Hexavalent chromium (and its compounds)	481 kg
NA - 08	Lead (and its compounds)	2571 kg

Recycling - Off-site Transfers for Recycling - By Facility

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
NA - 08	Lead (and its compounds)	Other	Paradise Distribution and Recycling	574 Sewell Rd, Toronto, ON, Canada	0 kg
NA - 08	Lead (and its compounds)	Other	Alloy Trading	292 Elgin St. N., Cambridge, ON, Canada	257 kg
NA - 08	Lead (and its compounds)	Other	Cascades Recovery	66 Shorncliffe Road, Toronto, ON, Canada	
NA - 08	Lead (and its compounds)	Other	Centaurus Development Corp	51 Ensa Park Drive, Unit A, Markham, ON, Canada	0 kg
NA - 08	Lead (and its compounds)	Other	JDB Plastic Recycling	15-1070 Kamato Rd, Mississauga, ON, Canada	663 kg
NA - 08	Lead (and its compounds)	Other	Junior's Recycling	113 Dover Street, Waterloo, ON, Canada	1651 kg
NA - 19	Hexavalent chromium (and its compounds)	Other	Alloy Trading	292 Elgin St. N., Cambridge, ON, Canada	48 kg
NA - 19	Hexavalent chromium (and its compounds)	Other	Cascades Recovery	66 Shorncliffe Road, Toronto, ON, Canada	0 kg
NA - 19	Hexavalent chromium (and its compounds)	Other	Paradise Distribution and Recycling	574 Sewell Rd, Toronto, ON, Canada	0 kg
NA - 19	Hexavalent chromium (and its compounds)	Other	Centaurus Development Corp	51 Ensa Park Drive, Unit A, Markham, ON, Canada	0 kg
NA - 19	Hexavalent chromium (and its compounds)	Other	JDB Plastic Recycling	15-1070 Kamato Rd, Mississauga, ON, Canada	124 kg
NA - 19	Hexavalent chromium (and its compounds)	Other	Junior's Recycling	113 Dover Street, Waterloo, ON, Canada	309 kg

Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
NA - 08	Lead (and its compounds)	Production Residues Off-specification products	Increase in production levels Decrease in production levels	
NA - 19	Hexavalent chromium (and its compounds)	Production Residues Off-specification products	Increase in production levels	Production levels in 2018 were approximately the same as 2016. There was approximately 100,000 kg less recycling in 2018 compared to 2017.

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 - 19	Hexavalent chromium (and its compounds)	No	Enters the facility (Use)	20753 kg	11988 kg	2017	8765	73.11
NA - 19	Hexavalent chromium (and its compounds)	No	Creation	0 kg	0 kg	2017	0	
NA - 19	Hexavalent chromium (and its compounds)	No	Contained in Product	20131 kg	11431 kg	2017	8700	76.11
NA - 08	Lead (and its compounds)	No	Enters the facility (Use)	110520 kg	66116 kg	2017	44404	67.16
NA - 08	Lead (and its compounds)	No	Creation	0 kg	0 kg	2017	0	

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 08	Lead (and its compounds)	No	Contained in Product	107193 kg	63131 kg	2017	44062	69.79

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 19	Hexavalent chromium (and its compounds)	Increase in production levels	
NA - 08	Lead (and its compounds)	Increase in production levels	

Comparison Report - Disposals On-site, Off-site and Tailings and Waste Rock

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 19	Hexavalent chromium (and its compounds)	No	Total On-site Disposals	0 kg	0 kg	2017	0	
NA - 19	Hexavalent chromium (and its compounds)	No	Total Off-site Disposals	141 kg	69 kg	2017	72	104.35
NA - 19	Hexavalent chromium (and its compounds)	No	Total Off-site transfer for treatment Prior to Final Disposal	0 kg	0 kg	2017	0	
NA - 19	Hexavalent chromium (and its compounds)	No	Total On-site Disposal of Tailings and Waste Rock	0 kg	0 kg	2017	0	
NA - 19	Hexavalent chromium (and its compounds)	No	Total Off-site Disposal of Tailings and Waste Rock	0 kg	0 kg	2017	0	
NA - 08	Lead (and its compounds)	No	Total On-site Disposals	0 kg	0 kg	2017	0	
NA - 08	Lead (and its compounds)	No	Total Off-site Disposals	757 kg	371 kg	2017	386	104.04
NA - 08	Lead (and its compounds)	No	Total Off-site transfer for treatment Prior to Final Disposal	0 kg	0 kg	2017	0	
NA - 08	Lead (and its compounds)	No	Total On-site Disposal of Tailings and Waste Rock	0 kg	0 kg	2017	0	
NA - 08	Lead (and its compounds)	No	Total Off-site Disposal of Tailings and Waste Rock	0 kg	0 kg	2017	0	

Comparison Report - Disposals On-site, Off-site and Tailings and Waste Rock - Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 19	Hexavalent chromium (and its compounds)	Increase in production levels	
NA - 08	Lead (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 - 19	Hexavalent chromium (and its compounds)	No	Total off-site Transfers for Recycling	481 kg	488 kg	2017	-7	-1.43
NA - 08	Lead (and its compounds)	No	Total off-site Transfers for Recycling	2571 kg	2615 kg	2017	-44	-1.68

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 19	Hexavalent chromium (and its compounds)	Other	Approximately 100,000 Kg less recycling was generated during the 2018 production year.
NA - 08	Lead (and its compounds)	Other	Approximately 100,000 Kg less recycling was generated during the 2018 production year.

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	Yes

Pollution Prevention Activities

Category	Activity	Name and description of the other activity
Equipment or Process Modification	Modified equipment, layout or piping	
Good Operating Practice or Training	Improved maintenance scheduling, record keeping Changed production schedule to minimize equipment and feedstock changeovers	
Inventory Management or Purchasing Techniques		
Materials or Feedstock Substitution		
On-site Reuse, Recycling or Recovery		
Other Pollution Prevention Activities		
Product Design or Reformulation		
Spill and Leak Prevention	Improved procedures for loading, unloading and transfer operations	

Progress on TRA Plan - Objectives

CAS RN	Substance Name	Objectives
NA - 19	Hexavalent chromium (and its compounds)	Ampacet Canada prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. Ampacet will strive to optimize the use of Lead, Chromium, and Hexavalent Chromium and reduce releases of these substances at the facility. Further, this plan will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time.
NA - 08	Lead (and its compounds)	Ampacet Canada prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. Ampacet will strive to optimize the use of Lead, Chromium, and Hexavalent Chromium and reduce releases of these substances at the facility. Further, this plan will 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 - 19	Hexavalent chromium (and its compounds)	No quantity target	No timeline target	
NA - 08	Lead (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 - 19	Hexavalent chromium (and its compounds)	No quantity target	No timeline target	
NA - 08	Lead (and its compounds)	No quantity target	No timeline target	

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 - 19	Hexavalent chromium (and its compounds)	No		
NA - 08	Lead (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 - 19	Hexavalent 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 - 19	Hexavalent 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 - 19	Hexavalent 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 - 19	Hexavalent 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 - 19	Hexavalent 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 - 19	Hexavalent 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 - 19	Hexavalent 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 - 19	Hexavalent 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 - 19	Hexavalent 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.	

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
NA - 08	Lead (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 - 08	Lead (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 - 08	Lead (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 - 08	Lead (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 - 08	Lead (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 - 08	Lead (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 - 08	Lead (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 - 08	Lead (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 - 08	Lead (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 - 19	Hexavalent chromium (and its compounds)	No		
NA - 08	Lead (and its compounds)	No		

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