



National Pollutant Release Inventory (NPRI) and



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Report Preview

Report Details

| | |
|---------------------|---------------------|
| Report Year | 2016 |
| Report Type: | NPRI,ON MOE TRA |
| Report Status: | Submitted |
| Modified Date/Time: | 29/05/2017 12:46 PM |

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 |
| Physical Address: | Address Line 1: 101 Sasaga Drive City, Province/Territory, Postal Code: Kitchener Ontario N2C2G8 Country: Canada Latitude: 43.40610 Longitude: -80.45310 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 |

| | |
|--------------|---|
| Fax: | 5197489767 |
| Email: | gerald.smith@ampacet.com |
| Contact Type | Certifying Official, Highest Ranking Employee |
| Name: | Keith Walton |
| Position: | Plant Manager |
| Telephone: | 5197485576 |
| Fax: | 5197489767 |
| Email: | keith.walton@ampacet.com |

General Information

| | |
|--|--------------------------------------|
| Number of employees: | 72 |
| 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 | 114.0000 | 542.0000 | kg |
| NA - 08 | Lead (and its compounds) | N/A | N/A | 613.0000 | 2926.0000 | kg |

Applicable Programs

| CAS RN | Substance Name | NPRI | ON MOE TRA | ON MOE Reg 127/01 | First report for this substance to the ON MOE 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

| 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 - 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 | 20636 kg | Yes |
| NA - 19 | Hexavalent chromium (and its compounds) | Creation | 0 kg | Yes |
| NA - 19 | Hexavalent chromium (and its compounds) | Contained in Product | 19980 kg | Yes |
| NA - 08 | Lead (and its compounds) | Use | 109700 kg | Yes |
| NA - 08 | Lead (and its compounds) | Creation | 0 kg | Yes |
| NA - 08 | Lead (and its compounds) | Contained in Product | 106160 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 |
|---------|---|------------------------------------|--------------------|---|--|----------------------------|
| NA - 19 | Hexavalent chromium (and its compounds) | | | | | No |
| NA - 08 | Lead (and its compounds) | | | | | No |

On-site Releases - Total

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) | Changes in production levels | There are no on-site releases. |
| NA - 19 | Hexavalent chromium (and its compounds) | Changes 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 | | 114 kg |
| NA - 08 | Lead (and its compounds) | Landfill | C - Mass Balance | | 613 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) | 114 kg |
| NA - 08 | Lead (and its compounds) | 613 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 | 613 kg |
| NA - 19 | Hexavalent chromium (and its compounds) | Landfill | Panda Environmental | 132 Earl Thompson Place, North Dumphries, ON, Canada | 114 kg |

Disposals - Total Quantity Disposed (All Media)

| CAS RN | Substance Name | Total Quantity Disposed (All Media) |
|---------|---|-------------------------------------|
| NA - 19 | Hexavalent chromium (and its compounds) | 114 kg |
| NA - 08 | Lead (and its compounds) | 613 kg |

Disposals - Reasons and Comments

| CAS RN | Substance Name | Reasons Why Substance Was Disposed | Reasons for Changes in Quantities from Previous Year | Comments |
|--------|----------------|------------------------------------|--|----------|
| | | | | |

| CAS RN | Substance Name | Reasons Why Substance Was Disposed | Reasons for Changes in Quantities from Previous Year | Comments |
|---------|---|---|---|--|
| NA - 08 | Lead (and its compounds) | Production residues Off-specification products | Changes in production levels | |
| NA - 19 | Hexavalent chromium (and its compounds) | Production residues Off-specification products | Changes in production levels Changes in estimation methods | 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 | | 542 kg |
| NA - 08 | Lead (and its compounds) | Other | C - Mass Balance | | 2926 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) | 542 kg |
| NA - 08 | Lead (and its compounds) | 2926 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 | 1274 kg |
| NA - 08 | Lead (and its compounds) | Other | Alloy Trading | 292 Elgin St. N., Cambridge, ON, Canada | 1204 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 | 448 kg |
| NA - 19 | Hexavalent chromium (and its compounds) | Other | Alloy Trading | 292 Elgin St. N., Cambridge, ON, Canada | 223 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 | 236 kg |
| NA - 19 | Hexavalent chromium (and its compounds) | Other | Centaurus Development Corp | 51 Ensa Park Drive, Unit A, Markham, ON, Canada | 83 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 | Changes in production levels Changes in estimation methods | |
| NA - 19 | Hexavalent chromium (and its compounds) | Production Residues Off-specification products | Changes in production levels Changes in estimation methods | |

Comparison Report - Enters, Creation, Contained in Product

| CAS RN | Substance Name | Is Breakdown | Category | Quantity | Last Reported Quantity | Reporting Period of Last Reported Quantity | Change | % Change |
|---------|---|--------------|---------------------------|-----------|------------------------|--|--------|----------|
| NA - 19 | Hexavalent chromium (and its compounds) | No | Enters the facility (Use) | 20636 kg | 20419 kg | 2015 | 217 | 1.06 |
| NA - 19 | Hexavalent chromium (and its compounds) | No | Creation | 0 kg | 0 kg | 2015 | 0 | |
| NA - 19 | Hexavalent chromium (and its compounds) | No | Contained in Product | 19980 kg | 19707 kg | 2015 | 273 | 1.39 |
| NA - 08 | Lead (and its compounds) | No | Enters the facility (Use) | 109700 kg | 112941 kg | 2015 | -3241 | -2.87 |
| NA - 08 | Lead (and its compounds) | No | Creation | 0 kg | 0 kg | 2015 | 0 | |
| NA - 08 | Lead (and its compounds) | No | Contained in Product | 106160 kg | 109028 kg | 2015 | -2868 | -2.63 |

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) | No reasons - quantities approximately the same | |
| NA - 08 | Lead (and its compounds) | Decrease 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 | 2015 | 0 | |
| NA - 19 | Hexavalent chromium (and its compounds) | No | Total Off-site Disposals | 114 kg | 109 kg | 2015 | 5 | 4.59 |
| NA - 19 | Hexavalent chromium (and its compounds) | No | Total Off-site transfer for treatment Prior to Final Disposal | 0 kg | 0 kg | 2015 | 0 | |
| NA - 19 | Hexavalent chromium (and its compounds) | No | Total On-site Disposal of Tailings and Waste Rock | 0 kg | 0 kg | 2015 | 0 | |
| NA - 19 | Hexavalent chromium (and its compounds) | No | Total Off-site Disposal of Tailings and Waste Rock | 0 kg | 0 kg | 2015 | 0 | |
| NA - 08 | Lead (and its compounds) | No | Total On-site Disposals | 0 kg | 0 kg | 2015 | 0 | |
| NA - 08 | Lead (and its compounds) | No | Total Off-site Disposals | 613 kg | 602 kg | 2015 | 11 | 1.83 |
| NA - 08 | Lead (and its compounds) | No | Total Off-site transfer for treatment Prior to Final Disposal | 0 kg | 0 kg | 2015 | 0 | |
| NA - 08 | Lead (and its compounds) | No | Total On-site Disposal of Tailings and Waste Rock | 0 kg | 0 kg | 2015 | 0 | |
| NA - 08 | Lead (and its compounds) | No | Total Off-site Disposal of Tailings and Waste Rock | 0 kg | 0 kg | 2015 | 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) | No reasons - quantities approximately the same | |
| NA - 08 | Lead (and its compounds) | No reasons - quantities approximately the same | |

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 | 542 kg | 602 kg | 2015 | -60 | -9.97 |
| NA - 08 | Lead (and its compounds) | No | Total off-site Transfers for Recycling | 2926 kg | 3311 kg | 2015 | -385 | -11.63 |

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) | No reasons - quantities approximately the same | |
| NA - 08 | Lead (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

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 | |

| CAS RN | Substance Name | Quantity | Years | Description of 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. | |
| 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 | | |

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

Ampacet Canada Co.

Certifying Official (or authorized delegate)

Keith Walton

Report Submitted by

Keith Walton

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 MOE TRA - Electronic Certification Statement

Annual Report Certification Statement

As of 29/05/2017, I, Keith Walton, 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 - 19

Hexavalent chromium (and its compounds)

NA - 08

Lead (and its compounds)

Company Name

Ampacet Canada Co.

Highest Ranking Employee

Keith Walton

Report Submitted by

Keith Walton

Website address

<https://www.pinchin.com/toxics-reduction-act/Ampacet-Canada>

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 |
|--------|-----------------|--------------------|----------|-----------|------------------|
| 2016 | 29/05/2017 | Ampacet Canada Co. | Ontario | Kitchener | NPRI, ON MOE 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: 3.11.4



