Report Preview

Report Details

Report Year	2014
Report Type:	NPRI,ON MOE TRA
Report Status:	Update 1 - Submitted
Modified Date/Time:	20/12/2017 2:15 PM
Report Update Comments:	The 2014 Inventory Report is being updated to include TRA Comparisons and comments on TRA Plan progression.

Company and Facility Details

Company Name:	Reaction Distributing Inc.
Business Number:	867701674
Mailing Address:	Address Line 1: 95 - Woodworth Avenue City, Province/Territory, Postal Code: St. Thomas Ontario N5P3J9 Country: Canada
Facility Name:	St. Thomas
NAICS Code:	332319
NPRI ID:	11846
Physical Address:	Address Line 1: 95 Woodworth Avenue City, Province/Territory, Postal Code: St. Thomas Ontario N5P3J9 Country: Canada Latitude: 42.78018 Longitude: 81.17192 UTM Zone: 17 UTM Easting: 485377 UTM Northing: 4736795

Parent Companies

Company Name:	Reaction Holdings Inc.
Business Number:	867701674
Mailing Address:	Address Line 1: 44 Spiers Crescent City, Province/Territory, Postal Code: Ajax Ontario L1S6Y7 Country: Canada

Contacts Details

Contact Type	Technical Contact, Public Contact
Name:	John Neufeld
Position:	Operations Manager

Telephone:	5196336060
Fax:	5196315438
Email:	JNeufeld@balers.com
Contact Type	Certifying Official, Company Coordinator, Highest Ranking Employee, Person who prepared the report
Name:	Larry Vine
Position:	President
Telephone:	9054266442
Fax:	9054265925
Email:	lvine@balers.com

General Information

Number of employees:	19
Activities for Which the 20,000-Hour Employee Threshold Does Not Apply:	None of the above
Activities Relevant to Reporting Dioxins, Furans and Hexacholorobenzene:	None of the above
Activities Relevant to Reporting of Polycyclic Aromatic Hydrocarbons (PAHs):	Wood preservation using creosote: No
Is this the first time the facility is reporting to the NPRI (under current or past ownership):	No
Is the facility controlled by another Canadian company or companies:	Yes
Did the facility report under other environmental regulations or permits:	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)	0.0002	N/A	N/A	0.4960	tonnes
NA - 08	Lead (and its compounds)	0.0360	N/A	N/A	102.1360	kg
NA - 09	Manganese (and its compounds)	0.0025	N/A	N/A	0.6420	tonnes
NA - 11	Nickel (and its compounds)	0.0002	N/A	N/A	0.6130	tonnes

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 - 04	Chromium (and its compounds)	No	No		No
NA - 08	Lead (and its compounds)	Yes	Yes		No
NA - 09	Manganese (and its compounds)	No	No		No
NA - 11	Nickel (and its compounds)	No	No		No

TRA Exit Record

CAS RN	Substance Name	Circumstance(s) that apply	Describe the circumstances that lead to the criteria no longer being met	Describe the information and any quantifications relied upon for making the determination
NA - 04	Chromium (and its compounds)	The substance did not meet the criteria to provide information to NPRI	The Facility used less steel, resulting in chromium's MPO quantity being below the threshold.	The Facility tracks their annual usage of steel.
NA - 09	Manganese (and its compounds)	The substance did not meet the criteria to provide information to NPRI	The Facility used less steel and welding wire, resulting in manganese's MPO quantity being below the threshold.	The Facility tracks their annual usage of steel and wire.

CAS RN	Substance Name	Circumstance(s) that apply	Describe the circumstances that lead to the criteria no longer being met	Describe the information and any quantifications relied upon for making the determination
NA - 11	Nickel (and its compounds)	The substance did not meet the criteria to provide information to NPRI	The Facility used less steel, resulting in nickel's MPO quantity being below the threshold.	The Facility tracks their annual usage of steel.

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)	Yes	No	No
NA - 08	Lead (and its compounds)	Yes	No	No
NA - 09	Manganese (and its compounds)	Yes	No	No
NA - 11	Nickel (and its compounds)	Yes	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 - 08	Lead (and its compounds)	No	No	Yes
NA - 09	Manganese (and its compounds)	No	No	Yes
NA - 11	Nickel (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)		As a by-product	
NA - 08	Lead (and its compounds)		As a by-product	
NA - 09	Manganese (and its compounds)		As a by-product	
NA - 11	Nickel (and its compounds)		As a by-product	

TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity	Use ranges for public reporting
NA - 08	Lead (and its compounds)	Use	1188.220 kg	Yes
NA - 08	Lead (and its compounds)	Creation	0 kg	Yes
NA - 08	Lead (and its compounds)	Contained in Product	1086.047 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 - 08	Lead (and its compounds)					No

On-site Releases - Releases to air

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 04	Chromium (and its compounds)	Stack or Point Releases	E2 - Published Emission Factors		0.0002 tonnes
NA - 08	Lead (and its compounds)	Stack or Point Releases	E2 - Published Emission Factors		0.036 kg
NA - 09	Manganese (and its compounds)	Stack or Point Releases	E2 - Published Emission Factors		0.0025 tonnes
NA - 11	Nickel (and its compounds)	Stack or Point Releases	E2 - Published Emission Factors		0.0002 tonnes

On-site Releases - Releases to air - Total

CAS RN	Substance Name	Total - Releases to Air
NA - 04	Chromium (and its compounds)	0.0002 tonnes

CAS RN	Substance Name	Total - Releases to Air
NA - 08	Lead (and its compounds)	0.036 kg
NA - 09	Manganese (and its compounds)	0.0025 tonnes
NA - 11	Nickel (and its compounds)	0.0002 tonnes

On-site Releases - Total

CAS RN	Substance Name	Total releases
NA - 04	Chromium (and its compounds)	0.0002 tonnes
NA - 08	Lead (and its compounds)	0.036 kg
NA - 09	Manganese (and its compounds)	0.0025 tonnes
NA - 11	Nickel (and its compounds)	0.0002 tonnes

On-site Releases - Quarterly Breakdown of Annual Releases

CAS RN	Substance Name	Quarter 1	Quarter 2	Quarter 3	Quarter 4
NA - 04	Chromium (and its compounds)	25	25	25	25
NA - 08	Lead (and its compounds)	25	25	25	25
NA - 09	Manganese (and its compounds)	25	25	25	25
NA - 11	Nickel (and its compounds)	25	25	25	25

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)	No significant change (i.e. < 10%) or no change	
NA - 08	Lead (and its compounds)	No significant change (i.e. < 10%) or no change	
NA - 09	Manganese (and its compounds)	No significant change (i.e. < 10%) or no change	
NA - 11	Nickel (and its compounds)	No significant change (i.e. < 10%) or no change	

Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities from Previous Year	Comments
NA - 04	Chromium (and its compounds)		No significant change (i.e. < 10%) or no change	
NA - 08	Lead (and its compounds)		No significant change (i.e. < 10%) or no change	
NA - 09	Manganese (and its compounds)		No significant change (i.e. < 10%) or no change	
NA - 11	Nickel (and its compounds)		No significant change (i.e. < 10%) or no change	

Recycling - Off-site Transfers for Recycling

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 04	Chromium (and its compounds)	Recovery of Metals and Metal Compounds	O - Engineering Estimates		0.496 tonnes
NA - 08	Lead (and its compounds)	Recovery of Metals and Metal Compounds	O - Engineering Estimates		102.136 kg
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	O - Engineering Estimates		0.642 tonnes
NA - 11	Nickel (and its compounds)	Recovery of Metals and Metal Compounds	O - Engineering Estimates		0.613 tonnes

Recycling - Off-site Transfers for Recycling - Total

CAS RN	Substance Name	Total - Off-site Transfers for Recycling
NA - 04	Chromium (and its compounds)	0.496 tonnes
NA - 08	Lead (and its compounds)	102.136 kg
NA - 09	Manganese (and its compounds)	0.642 tonnes
NA - 11	Nickel (and its compounds)	0.613 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	John Zubick Ltd.	105 Clarke Rd., London, ON, Canada	0.496 tonnes
NA - 08	Lead (and its compounds)	Recovery of Metals and Metal Compounds	John Zubick Ltd.	105 Clarke Rd., London, ON, Canada	102.136 kg
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	John Zubick Ltd.	105 Clarke Rd., London, ON, Canada	0.642 tonnes
NA - 11	Nickel (and its compounds)	Recovery of Metals and Metal Compounds	John Zubick Ltd.	105 Clarke Rd., London, ON, Canada	0.613 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	Changes in production levels	
NA - 08	Lead (and its compounds)	Production Residues	Changes in production levels	
NA - 09	Manganese (and its compounds)	Production Residues	Changes in production levels	
NA - 11	Nickel (and its compounds)	Production Residues	Changes in production levels	

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 - 08	Lead (and its compounds)	No	Enters the facility (Use)	1188.220 kg	3005.79 kg	2013	-1817.570	-60.47
NA - 08	Lead (and its compounds)	No	Creation	0 kg	0 kg	2013	0	
NA - 08	Lead (and its compounds)	No	Contained in Product	1086.047 kg	2567.33 kg	2013	-1481.283	-57.70

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

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

Comparison Report - On-site Releases

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	Total Releases to Air	0.036 kg	0.036 kg	2013	0.000	0
NA - 08	Lead (and its compounds)	No	Total Releases to Water	0 kg	0 kg	2013	0	
NA - 08	Lead (and its compounds)	No	Total Releases to Land	0 kg	0 kg	2013	0	
NA - 08	Lead (and its compounds)	No	Total Releases to All Media	0 kg				

Comparison Report - On-site Releases - Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
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 - 08	Lead (and its compounds)	No	Total off-site Transfers for Recycling	102.136 kg	438.423 kg	2013	-336.287	-76.70

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 08	Lead (and its compounds)	Other	Changes in Off-Site Transfers for Recycling

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 - 08	Lead (and its compounds)	Reaction Distributing prides itself on technological innovation in order to machine large trash bins and industrial waste compactors in an environmentally responsible manner. Reaction Distributing will strive to eliminate the use of lead 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. Reaction Distributing was unable to identify any reduction options; therefore, there is no reduction objective in this plan.

Progress on TRA Plan - Use Targets

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 - 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 - 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 - 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 - 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

Reaction Distributing Inc.

Certifying Official (or authorized delegate)

Larry Vine

Report Submitted by

Larry Vine

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 20/12/2017, I, Larry Vine, 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 - 08	Lead (and its compounds)

Exit Record Certification Statement

As of 20/12/2017, I Larry Vine, certify that I have read the records created for the purposes of section 11.2 of Ontario Regulation 455/09 (General) made under the Toxics Reductions Act, (2009) in respect of the use and creation of the toxic substances refered to below at St. Thomas and am familiar with their contents and to my knowledge they are factually accurate.

TRA Exit Record Substances

CAS RN	Substance Name
NA - 09	Manganese (and its compounds)
NA - 04	Chromium (and its compounds)
NA - 11	Nickel (and its compounds)

Company Name

Reaction Distributing Inc.

Highest Ranking Employee

Larry Vine

Report Submitted by

Larry Vine

Website address

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

Submitted Report

Period	Submission Date	Facility Name	Province	City	Programs
2014	20/12/2017	St. Thomas	Ontario	St. Thomas	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: 3.12.1