



National Pollutant Release Inventory (NPRI) and Partners



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Report Preview

Report Details

Report Year	2017
Report Type:	NPRI,ON MOE TRA
Report Status:	Ready to Submit
Modified Date/Time:	25/05/2018 10:35 AM

Company and Facility Details

Company Name:	Leader Plating on Plastic Ltd.
Business Number:	123971350
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 2 Jody Avenue City, Province/Territory, Postal Code: Toronto Ontario M3N1H1 Country: Canada
Facility Name:	Leader Plating on Plastic Ltd
NAICS Code:	332810
NPRI ID:	11217
Physical Address:	Address Line 1: 2 Jody Ave Avenue City, Province/Territory, Postal Code: Toronto Ontario M3N1H1 Country: Canada Latitude: 43.7452 Longitude: -79.5249

Contacts Details

Contact Type	Technical Contact, Certifying Official, Person who prepared the report, Person who coordinated the preparation of the Toxics Reduction Plan
Name:	Robert Corazza
Position:	Facility Manager
Telephone:	4167461492
Extension	25
Fax:	4167498010
Email:	rcorazza@leaderplating.ca
Contact Type	Highest Ranking Employee
Name:	Mary Gaspardo
Position:	President

Telephone:	4167461492
Email:	rcorazza@leaderplating.ca
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 2 Jody Avenue City, Province/Territory, Postal Code: Toronto Ontario M3M 1H1 Country: Canada

General Information

Number of employees:	25
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:	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 - 19	Hexavalent chromium (and its compounds)	1.7000	N/A	1.4000	371.5400	kg
NA - 08	Lead (and its compounds)	N/A	N/A	N/A	N/A	kg
7697-37-2	Nitric acid	N/A	N/A	2.1000	N/A	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 - 19	Hexavalent chromium (and its compounds)	Yes	Yes		No
NA - 08	Lead (and its compounds)	Yes	Yes		No
7697-37-2	Nitric acid	Yes	Yes		Yes

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)	Yes	No	No
NA - 08	Lead (and its compounds)	No	No	No
7697-37-2	Nitric acid	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)	No	No	No
7697-37-2	Nitric acid	Yes	No	No

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)		As a reactant	As a physical or chemical processing aid
NA - 08	Lead (and its compounds)			As a physical or chemical processing aid
7697-37-2	Nitric acid			As a physical or chemical processing aid

Substances added to/removed from the report

CAS RN	Substance Name	Added/Removed	Comment
7664-93-9	Sulphuric acid	Removed	Did not meet the NPRI reporting threshold for 2017

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	550.75 kg	Yes
NA - 19	Hexavalent chromium (and its compounds)	Creation	0 kg	No
NA - 19	Hexavalent chromium (and its compounds)	Contained in Product	73.5 kg	Yes
NA - 08	Lead (and its compounds)	Use	140.4 kg	Yes
NA - 08	Lead (and its compounds)	Creation	0 kg	No
NA - 08	Lead (and its compounds)	Contained in Product	0 kg	No
7697-37-2	Nitric acid	Use	15 tonnes	Yes
7697-37-2	Nitric acid	Creation	0 tonnes	Yes
7697-37-2	Nitric acid	Contained in Product	0 tonnes	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
7697-37-2	Nitric acid					Yes

On-site Releases - Releases to air

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 19	Hexavalent chromium (and its compounds)	Stack or Point Releases	E2 - Published Emission Factors		1.7 kg

On-site Releases - Releases to air - Total

CAS RN	Substance Name	Total - Releases to Air
NA - 19	Hexavalent chromium (and its compounds)	1.7 kg

On-site Releases - Total

CAS RN	Substance Name	Total releases
NA - 19	Hexavalent chromium (and its compounds)	1.7 kg

On-site Releases - Quarterly Breakdown of Annual Releases

CAS RN	Substance Name	Quarter 1	Quarter 2	Quarter 3	Quarter 4
NA - 19	Hexavalent chromium (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
7697-37-2	Nitric acid	Changes in production levels Changes in off-site transfers for disposal	
NA - 08	Lead (and its compounds)	No significant change (i.e. < 10%) or no change	
NA - 19	Hexavalent chromium (and its compounds)	Changes in production levels Changes in estimation methods	

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

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 19	Hexavalent chromium (and its compounds)	Municipal Sewage Treatment Plant	M3 - Source Testing		1.4 kg
7697-37-2	Nitric acid	Chemical Treatment	O - Engineering Estimates		2.1 tonnes

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

CAS RN	Substance Name	Total - Treatment Prior to Final Disposal
NA - 19	Hexavalent chromium (and its compounds)	1.4 kg
7697-37-2	Nitric acid	2.1 tonnes

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

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
7697-37-2	Nitric acid	Chemical Treatment	Quantex	260 Shoemaker St., Kitchener, ON, Canada	0 tonnes
7697-37-2	Nitric acid	Chemical Treatment	Quantex Technologies	309 Cherry St., Toronto, ON, Canada	2.1 tonnes
NA - 19	Hexavalent chromium (and its compounds)	Municipal Sewage Treatment Plant	Metropolitan Toronto Humber Bay Water Treatment Plant	130 The Queensway, Toronto, ON, Canada	1.4 kg

Disposals - Total Quantity Disposed (All Media)

CAS RN	Substance Name	Total Quantity Disposed (All Media)
NA - 19	Hexavalent chromium (and its compounds)	1.4 kg
7697-37-2	Nitric acid	2.1 tonnes

Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities from Previous Year	Comments
7697-37-2	Nitric acid	Production residues	Changes in production levels Other (specify in On-site Releases comment field)	Off specification finishing bath required disposal in 2017, not required in 2016
NA - 08	Lead (and its compounds)		No significant change (i.e. < 10%) or no change	
NA - 19	Hexavalent chromium (and its compounds)	Machine or finishing residues	Changes in production levels	

Recycling - Off-site Transfers for Recycling

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 19	Hexavalent chromium (and its compounds)	Recovery of Metals and Metal Compounds	M3 - Source Testing		371.54 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)	371.54 kg

Recycling - Off-site Transfers for Recycling - By Facility

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
NA - 19	Hexavalent chromium (and its compounds)	Recovery of Metals and Metal Compounds	Xstrata Nickel	6 Lindsley St., Sudbury, ON, Canada	371.54 kg

Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
7697-37-2	Nitric acid		Not applicable (first year reporting this substance)	
NA - 08	Lead (and its compounds)		Other (specify in recycling comments field)	No production residues for recycling shipped in 2013
NA - 19	Hexavalent chromium (and its compounds)	Machine or finishing residues	Changes in production levels	Accumulated material for recycling was shipped in 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
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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)	550.75 kg	2158.96 kg	2016	-1608.21	-74.49
NA - 19	Hexavalent chromium (and its compounds)	No	Creation	0 kg	0 kg	2016	0	
NA - 19	Hexavalent chromium (and its compounds)	No	Contained in Product	73.5 kg	60.4 kg	2016	13.1	21.69
NA - 08	Lead (and its compounds)	No	Enters the facility (Use)	140.4 kg	140.4 kg	2016	0.0	0
NA - 08	Lead (and its compounds)	No	Creation	0 kg	0 kg	2016	0	
NA - 08	Lead (and its compounds)	No	Contained in Product	0 kg	0 kg	2016	0	

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 Abnormal incident occurred at facility in the previous year	
NA - 08	Lead (and its compounds)	No reasons - quantities approximately the same	

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 - 19	Hexavalent chromium (and its compounds)	No	Total Releases to Air	1.7 kg	1.4 kg	2016	0.3	21.43
NA - 19	Hexavalent chromium (and its compounds)	No	Total Releases to Water	0 kg	0 kg	2012	0	
NA - 19	Hexavalent chromium (and its compounds)	No	Total Releases to Land	0 kg	0 kg	2012	0	
NA - 19	Hexavalent chromium (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 - 19	Hexavalent chromium (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	2012	0	
NA - 19	Hexavalent chromium (and its compounds)	No	Total Off-site Disposals	0 kg	0 kg	2012	0	
NA - 19	Hexavalent chromium (and its compounds)	No	Total Off-site transfer for treatment Prior to Final Disposal	1.4 kg	1111.76 kg	2016	-1110.36	-99.87
NA - 19	Hexavalent chromium (and its compounds)	No	Total On-site Disposal of Tailings and Waste Rock	0 kg	0 kg	2012	0	
NA - 19	Hexavalent chromium (and its compounds)	No	Total Off-site Disposal of Tailings and Waste Rock	0 kg	0 kg	2012	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 Abnormal incident occurred at facility in the previous year	

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	371.54 kg	0 kg	2016	371.54	100

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	Accumulated metal for recycling shipped in 2017

Pollution Prevention

Does the facility have a documented pollution prevention plan?

Yes

a) Please check all that apply

Plan was prepared or implemented for another government jurisdiction (i.e. other Federal government department, province, municipality). Specify name in comments field below.

b) Did the facility update their plan in the current reporting year?

No

c) Does the plan address substances, energy conservation, or water conservation?

Substances (provide the name of the primary Substances in the comments field below)

Please summarize your pollution prevention plan. If you selected "Substances", please specify the substances that were addressed in your plan (this information will be publicly available).

Copper, Nickel, Chromium, Nonylphenol Ethoxylates, Nonylphenol, Hexavalent Chromium

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)	Leader Plating on Plastics Ltd. does not intend to reduce the use of hexavalent chromium.
NA - 08	Lead (and its compounds)	Leader Plating on Plastics Ltd. does not intend to reduce the use of lead and its compounds.

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.	

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
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		

Empty

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