



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:	18/04/2018 4:51 PM

Company and Facility Details

Company Name:	Rochling Engineering Plastics Ltd.
Business Number:	121678072
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 21 Tideman Drive City, Province/Territory, Postal Code: Orangeville Ontario L9W3K3 Country: Canada
Facility Name:	Rochling Engineering Plastics Ltd.
NAICS Code:	326114
NPRI ID:	11435
Physical Address:	Address Line 1: 21 Tideman Drive City, Province/Territory, Postal Code: Orangeville Ontario L9W3K3 Country: Canada Latitude: 43.9133 Longitude: -80.1152 UTM Zone: 17 UTM Easting: 571039 UTM Northing: 4862622

Contacts Details

Contact Type	Technical Contact, Contractor Contact, Person who prepared the report, Person who coordinated the preparation of the Toxics Reduction Plan
Name:	Wendy Nadan
Position:	Principal
Telephone:	5199404724
Email:	wendy@nadanconsulting.com
Independent contractor/consultant company name:	Nadan Consulting Ltd.
Contact Type	Certifying Official, Highest Ranking Employee
Name:	Dan Braniff

Position:	Plant Manager
Telephone:	5199415300
Extension	227
Fax:	5199419026
Email:	dan.braniff@roechling-plastics.ca

General Information

Number of employees:	104
Activities for Which the 20,000-Hour Employee Threshold Does Not Apply:	None of the above
Activities Relevant to Reporting Dioxins, Furans and Hexachlorobenzene:	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
Was the facility shut down for more than one week during the year:	No
Operating Schedule - Days of the Week:	Mon, Tue, Wed, Thu, Fri, Sat, Sun
Usual Number of Operating Hours per day:	24
Usual Daily Start Time (24h) (hh:mm):	00:00

Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
NA - 03	Cadmium (and its compounds)	N/A	N/A	N/A	0.0590	kg
NA - 08	Lead (and its compounds)	N/A	N/A	N/A	0.0440	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 - 03	Cadmium (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 - 03	Cadmium (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 - 03	Cadmium (and its compounds)	Yes	No	No

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 - 08	Lead (and its compounds)	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 - 03	Cadmium (and its compounds)		As a formulation component	
NA - 08	Lead (and its compounds)		As a formulation component	

TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity	Use ranges for public reporting
NA - 03	Cadmium (and its compounds)	Use	200.5 kg	No
NA - 03	Cadmium (and its compounds)	Creation	0 kg	No
NA - 03	Cadmium (and its compounds)	Contained in Product	200.48 kg	No
NA - 08	Lead (and its compounds)	Use	87.81 kg	No
NA - 08	Lead (and its compounds)	Creation	0 kg	No
NA - 08	Lead (and its compounds)	Contained in Product	87.77 kg	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
NA - 03	Cadmium (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 - 03	Cadmium (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	

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

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 03	Cadmium (and its compounds)	Landfill	O - Engineering Estimates		0.059 kg
NA - 08	Lead (and its compounds)	Landfill	O - Engineering Estimates		0.044 kg

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

CAS RN	Substance Name	Total - Off-site Disposals
NA - 03	Cadmium (and its compounds)	0.059 kg
NA - 08	Lead (and its compounds)	0.044 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 - 03	Cadmium (and its compounds)	Landfill	Brent Run Landfill	8335 Vienna Rd., Montrose, MI, United States	0.059 kg
NA - 08	Lead (and its compounds)	Landfill	Brent Run Landfill	8335 Vienna Rd., Montrose, MI, United States	0.044 kg

Disposals - Total Quantity Disposed (All Media)

CAS RN	Substance Name	Total Quantity Disposed (All Media)
NA - 03	Cadmium (and its compounds)	0.059 kg
NA - 08	Lead (and its compounds)	0.044 kg

Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities from Previous Year	Comments
NA - 03	Cadmium (and its compounds)	Production residues	No significant change (i.e. < 10%) or no change	
NA - 08	Lead (and its compounds)	Production residues	No significant change (i.e. < 10%) or no change	

Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
NA - 03	Cadmium (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	

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 - 03	Cadmium (and its compounds)	No	Enters the facility (Use)	200.5 kg	213 kg	2016	-12.5	-5.87
NA - 03	Cadmium (and its compounds)	No	Creation	0 kg	0 kg	2016	0	
NA - 03	Cadmium (and its compounds)	No	Contained in Product	200.48 kg	212.96 kg	2016	-12.48	-5.86
NA - 08	Lead (and its compounds)	No	Enters the facility (Use)	87.81 kg	133.2 kg	2016	-45.39	-34.08
NA - 08	Lead (and its compounds)	No	Creation	0 kg	0 kg	2016	0	
NA - 08	Lead (and its compounds)	No	Contained in Product	87.77 kg	133.17 kg	2016	-45.40	-34.09

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 03	Cadmium (and its compounds)	Other	cadmium containing pigment usage decreased
NA - 08	Lead (and its compounds)	Other	change in quantity of pigment used

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 - 03	Cadmium (and its compounds)	No	Total On-site Disposals	0 kg	0 kg	2016	0	
NA - 03	Cadmium (and its compounds)	No	Total Off-site Disposals	0.059 kg	0.038 kg	2016	0.021	55.26
NA - 03	Cadmium (and its compounds)	No	Total Off-site transfer for treatment Prior to Final Disposal	0 kg	0 kg	2016	0	
NA - 03	Cadmium (and its compounds)	No	Total On-site Disposal of Tailings and Waste Rock	0 kg	0 kg	2016	0	
NA - 03	Cadmium (and its compounds)	No	Total Off-site Disposal of Tailings and Waste Rock	0 kg	0 kg	2016	0	
NA - 08	Lead (and its compounds)	No	Total On-site Disposals	0 kg	0 kg	2016	0	
NA - 08	Lead (and its compounds)	No	Total Off-site Disposals	0.044 kg	0.029 kg	2016	0.015	51.72
NA - 08	Lead (and its compounds)	No	Total Off-site transfer for treatment Prior to Final Disposal	0 kg	0 kg	2016	0	
NA - 08	Lead (and its compounds)	No	Total On-site Disposal of Tailings and Waste Rock	0 kg	0 kg	2016	0	
NA - 08	Lead (and its compounds)	No	Total Off-site Disposal of Tailings and Waste Rock	0 kg	0 kg	2016	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 - 03	Cadmium (and its compounds)	No reasons - quantities approximately the same	
NA - 08	Lead (and its compounds)	Other	change in quantities of pigment used

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

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).

Ontario toxics reduction plan

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		
Good Operating Practice or Training		
Inventory Management or Purchasing Techniques		
Materials or feedstock substitution	Substituted materials	
On-site Reuse, Recycling or Recovery	Instituted recirculation within a process	waste resin is ground up and reused
Other Pollution Prevention Activities		
Product Design or Reformulation		
Spill and Leak Prevention		

Progress on TRA Plan - Objectives

CAS RN	Substance Name	Objectives
NA - 03	Cadmium (and its compounds)	decreased use of cadmium of 43.6kg or 32 percent annually
NA - 08	Lead (and its compounds)	none

Progress on TRA Plan - Use Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
NA - 03	Cadmium (and its compounds)	43.6 kg	1	decreased use of cadmium of 43.6kg or 32 percent annually by replacement of one materbatch containing cadmium
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 - 03	Cadmium (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 - 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 - 03	Cadmium (and its compounds)	Substituted materials	use of pigments containing cadmium continues to decline	use of pigments containing cadmium continues to decline	A cadmium free substitute was described in year one to reduce usage of cadmium. Use of cadmium has continued to decline.	A cadmium free substitute was described in year one to reduce usage of cadmium. Use of cadmium has continued to decline.

CAS RN	Substance Name	Activity	Will the timelines in the current version of the plan will be met	Comments:
NA - 03	Cadmium (and its compounds)	Substituted materials	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 - 03	Cadmium (and its compounds)	Substituted materials	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the steps described:	126 kg
NA - 03	Cadmium (and its compounds)	Substituted materials	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 - 03	Cadmium (and its compounds)	Substituted materials	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the steps described:	126 kg

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
NA - 03	Cadmium (and its compounds)	Substituted materials	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 - 03	Cadmium (and its compounds)	Substituted materials	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 - 03	Cadmium (and its compounds)	Substituted materials	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 - 03	Cadmium (and its compounds)	Substituted materials	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 - 03	Cadmium (and its compounds)	Substituted materials	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 - 03	Cadmium (and its compounds)	Substituted materials	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 - 03	Cadmium (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 - 03	Cadmium (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 - 03	Cadmium (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 - 03	Cadmium (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 - 03	Cadmium (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 - 03	Cadmium (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 - 03	Cadmium (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 - 03	Cadmium (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 - 03	Cadmium (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 - 03	Cadmium (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 - 03	Cadmium (and its compounds)	No		

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
	compounds)			
NA - 08	Lead (and its compounds)	No		

Empty

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As of May 31, 2018, I, Dan Braniff, certify that I have read the report on the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the information contained in the report is factually accurate and the report complies with the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under that Act.

Lead
Cadmium

Dan Braniff
Plant Manager