



# 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:	24/05/2017 7:38 AM

### Company and Facility Details

Company Name:	Warren Industries Ltd.
Business Number:	132759945
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 401 Spinnaker Way City, Province/Territory, Postal Code: Concord Ontario L4K4N4 Country: Canada
Facility Name:	Warren Closure Systems
NAICS Code:	336370
NPRI ID:	25135
Physical Address:	Address Line 1: 129 Fernstaff Court City, Province/Territory, Postal Code: Concord Ontario L4K 3M1 Country: Canada Latitude: 43.82533 Longitude: -79.47978 UTM Zone: 17 UTM Easting: 622239 UTM Northing: 485396

### Contacts Details

Contact Type	Technical Contact, Contractor Contact, Person who prepared the report
Name:	Mark Cotter
Position:	Principal
Telephone:	4164718774
Email:	mcotter@cotterassociates.ca
Independent contractor/consultant company name:	Cotter Associates Ltd.
Contact Type	Certifying Official, Highest Ranking Employee
Name:	Vince Aldorasi
Position:	General Manager

Telephone:	9056691260
Fax:	9056691707
Email:	valdorasi@warren-grp.com
Contact Type	Company Coordinator, Person who coordinated the preparation of the Toxics Reduction Plan, Public Contact
Name:	Danny Garcia
Position:	QMS Specialist
Telephone:	9056691260
Fax:	9056691707
Email:	dgarcia@warren-grp.com

## General Information

Number of employees:	124
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):	Yes
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 - 04	Chromium (and its compounds)	N/A	N/A	N/A	1.9470	tonnes
NA - 09	Manganese (and its compounds)	0.0001	N/A	N/A	2.9200	tonnes
NA - 11	Nickel (and its compounds)	N/A	N/A	N/A	2.6550	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 - 09	Manganese (and its compounds)	No	No		No
NA - 11	Nickel (and its compounds)	No	No		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 - 04	Chromium (and its compounds)	No	No	No
NA - 09	Manganese (and its compounds)	Yes	No	No
NA - 11	Nickel (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 - 04	Chromium (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 formulation component	
NA - 09	Manganese (and its compounds)		As a formulation component	
NA - 11	Nickel (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 - 04	Chromium (and its compounds)	Use	4.749 tonnes	Yes
NA - 04	Chromium (and its compounds)	Creation	0.0 tonnes	No
NA - 04	Chromium (and its compounds)	Contained in Product	2.802 tonnes	Yes
NA - 09	Manganese (and its compounds)	Use	6.291 tonnes	Yes
NA - 09	Manganese (and its compounds)	Creation	0.0 tonnes	No
NA - 09	Manganese (and its compounds)	Contained in Product	3.370 tonnes	Yes
NA - 11	Nickel (and its compounds)	Use	7.598 tonnes	Yes
NA - 11	Nickel (and its compounds)	Creation	0.0 tonnes	Yes
NA - 11	Nickel (and its compounds)	Contained in Product	4.943 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 - 04	Chromium (and its compounds)					No
NA - 09	Manganese (and its compounds)					No
NA - 11	Nickel (and its compounds)					No

### On-site Releases - Releases to air

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 09	Manganese (and its compounds)	Fugitive Releases	O - Engineering Estimates		0.0001 tonnes

### On-site Releases - Releases to air - Total

CAS RN	Substance Name	Total - Releases to Air
NA - 09	Manganese (and its compounds)	0.0001 tonnes

### On-site Releases - Total

CAS RN	Substance Name	Total releases
NA - 09	Manganese (and its compounds)	0.0001 tonnes

### On-site Releases - Quarterly Breakdown of Annual Releases

CAS RN	Substance Name	Quarter 1	Quarter 2	Quarter 3	Quarter 4
NA - 09	Manganese (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

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	Substance was NOT RELEASED. There is no option for NOT APPLICABLE here. Previous field was marked as NO for releases but this field still pops up for completion. The programming logic needs to be fixed.
NA - 09	Manganese (and its compounds)	Changes in production levels	
NA - 11	Nickel (and its compounds)	No significant change (i.e. < 10%) or no change	Substance was NOT RELEASED on-site. There is no option for NOT APPLICABLE here. Previous field was marked as NO for releases but this field still pops up for completion. The programming logic needs to be fixed.

### 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	Substance was NOT DISPOSED. There is no option for NOT APPLICABLE here. Previous field was marked as NO for disposal but this field still pops up for completion. The programming logic needs to be fixed.
NA - 09	Manganese (and its compounds)		No significant change (i.e. < 10%) or no change	Substance was NOT DISPOSED. There is no option for NOT APPLICABLE here. Previous field was marked as NO for disposal but this field still pops up for completion. The programming logic needs to be fixed.
NA - 11	Nickel (and its compounds)		No significant change (i.e. < 10%) or no change	Substance was NOT DISPOSED. There is no option for NOT APPLICABLE here. Previous field was marked as NO for disposal but this field still pops up for completion. The programming logic needs to be fixed.

### 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	C - Mass Balance		1.947 tonnes
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	C - Mass Balance		2.920 tonnes
NA - 11	Nickel (and its compounds)	Recovery of Metals and Metal Compounds	C - Mass Balance		2.655 tonnes

### Recycling - Off-site Transfers for Recycling - Total

CAS RN	Substance Name	Total - Off-site Transfers for Recycling
NA - 04	Chromium (and its compounds)	1.947 tonnes
NA - 09	Manganese (and its compounds)	2.920 tonnes
NA - 11	Nickel (and its compounds)	2.655 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	Gerdau Ameristeel	Hopkins St. S., Whitby, ON, Canada	
NA - 04	Chromium (and its compounds)	Recovery of Metals and Metal Compounds	AIM Ontario	75 Windermere Road, Hamilton, ON, Canada	1.947 tonnes
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	Gerdau Ameristeel	Hopkins St. S., Whitby, ON, Canada	
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	Gerdau Ameristeel	Hopkins St. S., Whitby, ON, Canada	
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	AIM Ontario	75 Windermere Road, Hamilton, ON, Canada	2.920 tonnes
NA - 11	Nickel (and its compounds)	Recovery of Metals and Metal Compounds	Gerdau Ameristeel	Hopkins St. S., Whitby, ON, Canada	
NA - 11	Nickel (and its compounds)	Recovery of Metals and Metal Compounds	AIM Ontario	75 Windermere Road, Hamilton, ON, Canada	2.655 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 Unusable parts or discards	Changes in production levels	
NA - 09	Manganese (and its compounds)	Production Residues Unusable parts or discards	Changes in production levels Other (specify in recycling comments field)	variation in production mix and recycling
NA - 11	Nickel (and its compounds)	Production Residues Unusable parts or discards	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 - 04	Chromium (and its compounds)	No	Enters the facility (Use)	4.749 tonnes	17.174 tonnes	2015	-12.425	-72.35
NA - 04	Chromium (and its compounds)	No	Creation	0.0 tonnes	0.0 tonnes	2015	0.0	
NA - 04	Chromium (and its compounds)	No	Contained in Product	2.802 tonnes	7.042 tonnes	2015	-4.240	-60.21
NA - 09	Manganese (and its compounds)	No	Enters the facility (Use)	6.291 tonnes	22.726 tonnes	2015	-16.435	-72.32
NA - 09	Manganese (and its compounds)	No	Creation	0.0 tonnes	0.0 tonnes	2015	0.0	
NA - 09	Manganese (and its compounds)	No	Contained in Product	3.370 tonnes	7.528 tonnes	2015	-4.158	-55.23
NA - 11	Nickel (and its compounds)	No	Enters the facility (Use)	7.598 tonnes	27.478 tonnes	2015	-19.880	-72.35
NA - 11	Nickel (and its compounds)	No	Creation	0.0 tonnes	0.0 tonnes	2015	0.0	
NA - 11	Nickel (and its compounds)	No	Contained in Product	4.943 tonnes	13.661 tonnes	2015	-8.718	-63.82

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 04	Chromium (and its compounds)	Decrease in production levels Other	production variations in product mix and scrap generation
NA - 09	Manganese (and its compounds)	Decrease in production levels Other	variation in production mix and recycling
NA - 11	Nickel (and its compounds)	Decrease in production levels Other	variations in production mix and recycling

### 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 - 09	Manganese (and its compounds)	No	Total Releases to Air	0.0001 tonnes	0.0003 tonnes	2015	-0.0002	-66.67
NA - 09	Manganese (and its compounds)	No	Total Releases to Water	0 tonnes	0 tonnes	2015	0	
NA - 09	Manganese (and its compounds)	No	Total Releases to Land	0 tonnes	0 tonnes	2015	0	
NA - 09	Manganese (and its compounds)	No	Total Releases to All Media	0 tonnes	0 tonnes	2015	0	

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 09	Manganese (and its compounds)	Decrease 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 - 04	Chromium (and its compounds)	No	Total off-site Transfers for Recycling	1.947 tonnes	10.132 tonnes	2015	-8.185	-80.78
NA - 09	Manganese (and its compounds)	No	Total off-site Transfers for Recycling	2.920 tonnes	15.199 tonnes	2015	-12.279	-80.79
NA - 11	Nickel (and its compounds)	No	Total off-site Transfers for Recycling	2.655 tonnes	13.817 tonnes	2015	-11.162	-80.78

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 04	Chromium (and its compounds)	Decrease in production levels Other	production variations in product mix and amounts recycled
NA - 09	Manganese (and its compounds)	Decrease in production levels Other	variation in production mix and recycling
NA - 11	Nickel (and its compounds)	Decrease in production levels Other	variation in production mix and recycling

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 - 04	Chromium (and its compounds)	none
NA - 09	Manganese (and its compounds)	none
NA - 11	Nickel (and its compounds)	none

### Progress on TRA Plan - Use Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
NA - 04	Chromium (and its compounds)	No quantity target	No timeline target	
NA - 09	Manganese (and its compounds)	No quantity target	No timeline target	
NA - 11	Nickel (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 - 04	Chromium (and its compounds)	No quantity target	No timeline target	
NA - 09	Manganese (and its compounds)	No quantity target	No timeline target	
NA - 11	Nickel (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 - 04	Chromium (and its compounds)	No		
NA - 09	Manganese (and its compounds)	No		
NA - 11	Nickel (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 - 04	Chromium (and its compounds)	The amount of reduction in <b>use</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 04	Chromium (and its compounds)	The amount of reduction in <b>creation</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 04	Chromium (and its compounds)	The amount of reduction in the substance <b>contained in product</b> at the facility during the reporting period that resulted due to the additional actions.	
NA - 04	Chromium (and its compounds)	The amount of reduction in <b>release to air</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 04	Chromium (and its compounds)	The amount of reduction in <b>release to water</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 04	Chromium (and its compounds)	The amount of reduction in <b>release to land</b> of the substance at the facility during the reporting period that resulted due to additional actions.	
NA - 04	Chromium (and its compounds)	The amount of reduction in the substance <b>disposed on-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - 04	Chromium (and its compounds)	The amount of reduction in the substance <b>disposed off-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - 04	Chromium (and its compounds)	The amount of reduction in the substance <b>recycled off-site</b> at the facility during the reporting period that resulted due to the additional actions.	
NA - 09	Manganese (and its compounds)	The amount of reduction in <b>use</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 09	Manganese (and its compounds)	The amount of reduction in <b>creation</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 09	Manganese (and its compounds)	The amount of reduction in the substance <b>contained in product</b> 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 - 09	Manganese (and its compounds)	The amount of reduction in <b>release to air</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 09	Manganese (and its compounds)	The amount of reduction in <b>release to water</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 09	Manganese (and its compounds)	The amount of reduction in <b>release to land</b> of the substance at the facility during the reporting period that resulted due to additional actions.	
NA - 09	Manganese (and its compounds)	The amount of reduction in the substance <b>disposed on-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - 09	Manganese (and its compounds)	The amount of reduction in the substance <b>disposed off-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - 09	Manganese (and its compounds)	The amount of reduction in the substance <b>recycled off-site</b> at the facility during the reporting period that resulted due to the additional actions.	
NA - 11	Nickel (and its compounds)	The amount of reduction in <b>use</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 11	Nickel (and its compounds)	The amount of reduction in <b>creation</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 11	Nickel (and its compounds)	The amount of reduction in the substance <b>contained in product</b> at the facility during the reporting period that resulted due to the additional actions.	
NA - 11	Nickel (and its compounds)	The amount of reduction in <b>release to air</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 11	Nickel (and its compounds)	The amount of reduction in <b>release to water</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 11	Nickel (and its compounds)	The amount of reduction in <b>release to land</b> of the substance at the facility during the reporting period that resulted due to additional actions.	
NA - 11	Nickel (and its compounds)	The amount of reduction in the substance <b>disposed on-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - 11	Nickel (and its compounds)	The amount of reduction in the substance <b>disposed off-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - 11	Nickel (and its compounds)	The amount of reduction in the substance <b>recycled off-site</b> 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 - 04	Chromium (and its compounds)	No		
NA - 09	Manganese (and its compounds)	No		
NA - 11	Nickel (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

Warren Industries Ltd.

Certifying Official (or authorized delegate)

Vince Aldorasi

Report Submitted by

Vince Aldorasi

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.

Annual Report Certification Statement

As of 24/05/2017, I, Vince Aldorasi, 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 - 04	Chromium (and its compounds)
NA - 09	Manganese (and its compounds)
NA - 11	Nickel (and its compounds)

Company Name  
Warren Industries Ltd.

Highest Ranking Employee  
Vince Aldorasi

Report Submitted by  
Vince Aldorasi

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
2016	24/05/2017	Warren Closure Systems	Ontario	Concord	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



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