



National Pollutant Release Inventory (NPRI) and



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Report Preview

Report Details

Report Year	2013
Report Type:	NPRI,ON MOE TRA
Report Status:	Update 1 - Submitted
Modified Date/Time:	22/07/2015 2:39 PM
Report Update Comments:	Update to 2013 values.

Company and Facility Details

Company Name:	Hydroform Solutions Inc.
Business Number:	200159502
Mailing Address:	Address Line 1: 1995 Williams Parkway City, Province/Territory, Postal Code: Brampton Ontario L6S 6E5 Country: Canada
Facility Name:	Hydroform Solutions Inc.
NAICS Code:	336110
NPRI ID:	11259
ON Reg 127/01 ID:	10631
Physical Address:	Address Line 1: 1995 Williams Parkway City, Province/Territory, Postal Code: Brampton Ontario L6S6E5 Country: Canada Latitude: 43.75190 Longitude: -79.70870 UTM Zone: 17 UTM Easting: 603940 UTM Northing: 4845210

Parent Companies

Company Name:	Martinrea International Inc. (Alfield Industries Ltd.)
Business Number:	897264149
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 1995 Williams Parkway City, Province/Territory, Postal Code: Brampton Ontario L6S6E5 Country: Canada

Permits

Number or Permit Number:	ON9137082
Government Department, Agency, or Program Name:	Ontario Hazardous Waste Generation

Contacts Details

Contact Type	Technical Contact, Certifying Official, Company Coordinator, Highest Ranking Employee
Name:	Sharon Ballantyne
Position:	Health, Safety and Environmental Coordinator
Telephone:	9057992498
Fax:	9057993490
Email:	sballantyne@martinrea.com
Contact Type	Person who prepared the report, Person who coordinated the preparation of the Toxics Reduction Plan
Name:	Connie Lum
Position:	Principal Environmental Consultant
Telephone:	5196352286
Email:	connielum.ehs@gmail.com
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 113 McKenzie Avenue City, Province/Territory, Postal Code: Kitchener Ontario N2H2A9 Country: Canada

General Information

Number of employees:	390
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:	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 - 04	Chromium (and its compounds)	0.0004	N/A	N/A	13.5000	tonnes
NA - 05	Cobalt (and its compounds)	N/A	N/A	N/A	N/A	tonnes
NA - 06	Copper (and its compounds)	N/A	N/A	N/A	N/A	tonnes
NA - 09	Manganese (and its compounds)	0.0110	N/A	N/A	117.0000	tonnes
NA - 11	Nickel (and its compounds)	N/A	N/A	N/A	N/A	tonnes
7440-62-2	Vanadium (and its compounds)	N/A	N/A	N/A	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 - 04	Chromium (and its compounds)	Yes	Yes		No
NA - 05	Cobalt (and its compounds)	No	No		No

CAS RN	Substance Name	NPRI	ON MOE TRA	ON MOE Reg 127/01	First report for this substance to the ON MOE TRA
NA - 06	Copper (and its compounds)	No	No		No
NA - 09	Manganese (and its compounds)	Yes	Yes		No
NA - 11	Nickel (and its compounds)	No	No		No
7440-62-2	Vanadium (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 - 05	Cobalt (and its compounds)	The substance did not meet the criteria to provide information to NPRI	Decrease in usage of material containing Cobalt.	Refined emission estimation methodology.
NA - 06	Copper (and its compounds)	The substance did not meet the criteria to provide information to NPRI	Decrease in use of material containing copper.	Refined emission estimation methodology.
NA - 11	Nickel (and its compounds)	The substance did not meet the criteria to provide information to NPRI	Decrease in material containing Nickel.	Refined emission estimation methodology.
7440-62-2	Vanadium (and its compounds)	The substance did not meet the criteria to provide information to NPRI	Decreased use of material containing Vanadium.	Refined emission estimation methodology.

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 - 05	Cobalt (and its compounds)	No	No	No
NA - 06	Copper (and its compounds)	No	No	No
NA - 09	Manganese (and its compounds)	Yes	Yes	No
NA - 11	Nickel (and its compounds)	No	No	No
7440-62-2	Vanadium (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 - 05	Cobalt (and its compounds)	No	No	No
NA - 06	Copper (and its compounds)	No	No	No
NA - 09	Manganese (and its compounds)	No	No	Yes
NA - 11	Nickel (and its compounds)	No	No	No
7440-62-2	Vanadium (and its compounds)	No	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 - 04	Chromium (and its compounds)		As a formulation component	As a by-product
NA - 05	Cobalt (and its compounds)		As a formulation component	As a by-product
NA - 06	Copper (and its compounds)		As a formulation component	As a by-product
NA - 09	Manganese (and its compounds)		As a formulation component	As a by-product

CAS RN	Substance Name	Manufacture the Substance	Process the Substance	Otherwise Use of the Substance
NA - 11	Nickel (and its compounds)		As an article component	As a by-product
7440-62-2	Vanadium (and its compounds)		As a formulation component	As a by-product

TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained	Quantity	Use ranges for public reporting
NA - 04	Chromium (and its compounds)	Use	416 tonnes	Yes
NA - 04	Chromium (and its compounds)	Creation	0.0000 tonnes	Yes
NA - 04	Chromium (and its compounds)	Contained	402 tonnes	Yes
NA - 09	Manganese (and its compounds)	Use	312 tonnes	Yes
NA - 09	Manganese (and its compounds)	Creation	0.0000 tonnes	Yes
NA - 09	Manganese (and its compounds)	Contained	194 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	Incidents out of the normal course of events	Significant Process Change
NA - 04	Chromium (and its compounds)					No
NA - 09	Manganese (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)	Other Non-point Releases	E2 - Published Emission Factors		0.0004 tonnes

On-site Releases - Releases to air - Total

CAS RN	Substance Name	Total - Releases to Air
NA - 04	Chromium (and its compounds)	0.0004 tonnes

Total Quantity Released (All Media)

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 09	Manganese (and its compounds)	Total Quantity Released	E2 - Published Emission Factors		0.011 tonnes

On-site Releases - Total

CAS RN	Substance Name	Total releases
NA - 04	Chromium (and its compounds)	0.0004 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)	28	28	22	22
NA - 09	Manganese (and its compounds)	28	28	22	22

On-site Releases - Reasons for Changes in Quantities Released from Previous Year

CAS RN	Substance Name	Reasons for Changes in Quantities Disposed from Previous Year	Comments (Disposals)
7440-62-2	Vanadium (and its compounds)	No significant change (i.e. < 10%) or no change	
NA - 04	Chromium (and its compounds)	Changes in production levels Changes in estimation methods	
NA - 05	Cobalt (and its compounds)	No significant change (i.e. < 10%) or no change	
NA - 06	Copper (and its compounds)	Other (specify in On-site Releases comment field)	Not released on site.
NA - 09	Manganese (and its compounds)	Changes in production levels Changes in estimation methods Other (specify in On-site Releases comment field)	Decrease in usage of metal materials containing manganese.
NA - 11	Nickel (and its compounds)	Other (specify in On-site Releases comment field)	Not released on site.

Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities Disposed from Previous Year	Comments (Disposals)
7440-62-2	Vanadium (and its compounds)		No significant change (i.e. < 10%) or no change	
NA - 04	Chromium (and its compounds)		No significant change (i.e. < 10%) or no change	
NA - 05	Cobalt (and its compounds)		No significant change (i.e. < 10%) or no change	
NA - 06	Copper (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	C - Mass Balance		13.5 tonnes
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	C - Mass Balance		117 tonnes

Recycling - Off-site Transfers for Recycling - Total

CAS RN	Substance Name	Total - Off-site Transfers for Recycling
NA - 04	Chromium (and its compounds)	13.5 tonnes
NA - 09	Manganese (and its compounds)	117 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	Triple M Metal LP	471 Intermodal Drive, Brampton, ON, Canada	13.5 tonnes
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	Triple M Metal LP	471 Intermodal Drive, Brampton, ON, Canada	117 tonnes

Recycling - Off-site Transfers for Recycling - Dioxins and Furans Breakdown List By Facility

Category	CAS RN	Substance Name	Off-site Name	Quantity
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Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
7440-62-2	Vanadium (and its compounds)		Other (specify in recycling comments field)	Not recycled.
NA - 04	Chromium (and its compounds)	Production Residues	No significant change (i.e. < 10%) or no change	
NA - 05	Cobalt (and its compounds)		No significant change (i.e. < 10%) or no change	
NA - 06	Copper (and its compounds)		Other (specify in recycling comments field)	Not recycled.
NA - 09	Manganese (and its compounds)	Production Residues Unusable parts or discards	No significant change (i.e. < 10%) or no change	
NA - 11	Nickel (and its compounds)		Other (specify in recycling comments field)	Not recycled.

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)	416 tonnes	6656 tonnes	2012	-6240	-93.75
NA - 04	Chromium (and its compounds)	No	Creation	0.0000 tonnes	0 tonnes	2012	0.0000	
NA - 04	Chromium (and its compounds)	No	Contained	402 tonnes	4878.5 tonnes	2012	-4476.5	-91.76
NA - 09	Manganese (and its compounds)	No	Enters the facility (Use)	312 tonnes	3597 tonnes	2012	-3285	-91.33
NA - 09	Manganese (and its compounds)	No	Creation	0.0000 tonnes	0.00 tonnes	2012	0.0000	
NA - 09	Manganese (and its compounds)	No	Contained	194 tonnes	2823 tonnes	2012	-2629	-93.13

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)	Other	Decrease in material containing chromium and refined emission estimation methodology.
NA - 09	Manganese (and its compounds)	Other	Change in material containing manganese and refined emission estimation methodology.

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 - 04	Chromium (and its compounds)	No	Total Releases to Air	0.0004 tonnes	0.457 tonnes	2012	-0.4566	-99.91
NA - 04	Chromium (and its compounds)	No	Total Releases to Water	0 tonnes	0 tonnes	2012	0	
NA - 04	Chromium (and its compounds)	No	Total Releases to Land	0 tonnes	0 tonnes	2012	0	
NA - 04	Chromium (and its compounds)	No	Total Releases to All Media	0 tonnes				
NA - 09	Manganese (and its compounds)	No	Total Releases to Air	0 tonnes	0 tonnes	2012	0	
NA - 09	Manganese (and its compounds)	No	Total Releases to Water	0 tonnes	0 tonnes	2012	0	
NA - 09	Manganese (and its compounds)	No	Total Releases to Land	0 tonnes	0 tonnes	2012	0	
NA - 09	Manganese (and its compounds)	No	Total Releases to All Media	0.011 tonnes	0.340 tonnes	2012	-0.329	-96.76

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 04	Chromium (and its compounds)	Other	Change in material containing chromium and refined emission estimation methodology.
NA - 09	Manganese (and its compounds)	Other	Change in material containing manganese and refined emission estimation methodology.

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	13.5 tonnes	1777 tonnes	2012	-1763.5	-99.24
NA - 09	Manganese (and its compounds)	No	Total off-site Transfers for Recycling	117 tonnes	774 tonnes	2012	-657	-84.88

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)	Other	Change in material containing chromium and refined emission estimation methodology.
NA - 09	Manganese (and its compounds)	Other	Change in material containing manganese and refined emission estimation methodology.

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 - 04	Chromium (and its compounds)	Hydroform Solutions prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. Chromium, Cobalt, Copper, Manganese, Nickel, and Vanadium are integral to the steels that the facility processes. Without these alloys, it would be impossible to make automobiles which meet passenger safety requirements. There are no options identified which will be implemented, however, as part of the continuous improvement program at the facility new opportunities will be reviewed on an on-going basis.
NA - 09	Manganese (and its compounds)	Hydroform Solutions prides itself on technological innovation in order to produce high quality products in an environmentally responsible manner. Chromium, Cobalt, Copper, Manganese, Nickel, and Vanadium are integral to the steels that the facility processes. Without these alloys, it would be impossible to make automobiles which meet passenger safety requirements. There are no options identified which will be implemented, however, as part of the continuous improvement program at the facility new opportunities will be reviewed on an on-going basis.

Progress on TRA Plan - 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	

Progress on TRA Plan - Description

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	

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		

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 use 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 creation 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 contained in product 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 release to air 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 release to water 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 release to land 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 disposed on-site (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 disposed off-site (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 recycled off-site 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 use 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 creation 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 contained in product 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 release to air 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 release to water 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 release to land 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 disposed on-site (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 disposed off-site (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 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 - 04	Chromium (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
NA - 09	Manganese (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

Hydroform Solutions Inc.

Certifying Official (or authorized delegate)

Sharon Ballantyne

Report Submitted by

Sharon Ballantyne

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 22/07/2015, I, Sharon Ballantyne, 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)

Exit Record Certification Statement

As of 22/07/2015, I Sharon Ballantyne, 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 referred to below at Hydroform Solutions Inc. and am familiar with their contents and to my knowledge they are factually accurate.

TRA Exit Record Substances

CAS RN	Substance Name
7440-62-2	Vanadium (and its compounds)
NA - 05	Cobalt (and its compounds)
NA - 06	Copper (and its compounds)
NA - 11	Nickel (and its compounds)

Company Name

Hydroform Solutions Inc.

Highest Ranking Employee

Sharon Ballantyne

Report Submitted by

Sharon Ballantyne

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
2013	22/07/2015	Hydroform Solutions Inc.	Ontario	Brampton	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: 3.11.3



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