

National Pollutant Release Inventory (NPRI) and



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SWIM > 2013 > Woodbridge Foam Corp. > Whitby Site (Update 1) > Report Preview

Report Preview

Report Details

Report Year	2013
Report Type:	NPRI,ON MOE TRA,ON MOE
Report Status:	Update 1 - Ready to Submit
Modified Date/Time:	08/05/2015 11:42 AM
Report Update Comments:	during completion of 2014 report, a small error was noted in the 2013 report with regards to 91-08-7 2,4 Diisocyanate reporting on Waste disposal. value corrected to 86 kgs.

Company and Facility Details

Company Name:	Woodbridge Foam Corp.
Business Number:	105733158
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 4240 Sherwoodtowne Blvd. Boulevard Southwest City, Province/Territory, Postal Code: Mississauga Ontario L4Z2G6 Country: Canada
Facility Name:	Whitby Site
NAICS Code:	326150
NPRI ID:	2927
ON Reg 127/01 ID:	0000
Physical Address:	Address Line 1: 1999 Forbes Street City, Province/Territory, Postal Code: Whitby Ontario L1N7V4 Country: Canada Latitude: 43.86250 Longitude: -78.89250 UTM Zone: 17 UTM Easting: 669358 UTM Northing: 4858760

Contacts Details

Contact Type	Technical Contact
Name:	Saleh Arsiwala
Position:	Technical Manager
Telephone:	9054345772
Email:	saleh_arsiwala@woodbridgegroup.com
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 1999 Forbes Street Street City, Province/Territory, Postal Code: WHitby Ontario L1N7V4 Country: Canada
Contact Type	Certifying Official, Highest Ranking Employee, Public Contact
Name:	Ron VanHaecke

Position:	Plant Manager
Telephone:	9054348473
Email:	ron_vanhaecke@woodbridgegroup.com
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 1999 Forbes Street City, Province/Territory, Postal Code: Whitby Ontario L1N7V4 Country: Canada
Contact Type	Company Coordinator, Person who coordinated the preparation of the Toxics Reduction Plan
Name:	Stanley Yau
Position:	Sr. Corporate Manager, HSE
Telephone:	4166297610
Email:	stanley_yau@woodbridgegroup.com
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 4240 Sherwoodtowne Boulevard City, Province/Territory, Postal Code: Mississauga Ontario L4Z 2G6 Country: Canada
Contact Type	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.
Mailing Address:	Address Line 1: 1214 Saginaw City, Province/Territory, Postal Code: Mississauga Ontario L5H3W6 Country: Canada

General Information

Number of employees:	200
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):	Yes
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
Usual Number of Operating Hours per day:	24
Usual Daily Start Time (24h) (hh:mm):	23:00

Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
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67-64-1	Acetone	0.0000	N/A	N/A	N/A	tonnes
111-42-2	Diethanolamine (and its salts)	0.0160	N/A	0.0030	N/A	tonnes
101-68-8	Methylenebis(phenylisocyanate)	0.0000	N/A	0.0360	N/A	tonnes
9016-87-9	Polymeric diphenylmethane diisocyanate	0.0000	N/A	0.0450	N/A	tonnes
584-84-9	Toluene-2,4-diisocyanate	0.0000	N/A	0.5740	N/A	tonnes
91-08-7	Toluene-2,6-diisocyanate	0.0000	N/A	0.0860	N/A	tonnes
NA - M16	Volatile Organic Compounds (VOCs)	137.3580	137.2530	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
67-64-1	Acetone		No	No	Do not Send
111-42-2	Diethanolamine (and its salts)	Yes	Yes		No
101-68-8	Methylenebis(phenylisocyanate)	Yes	Yes		No
9016-87-9	Polymeric diphenylmethane diisocyanate	Yes	Yes		No
584-84-9	Toluene-2,4-diisocyanate	Yes	Yes		No
91-08-7	Toluene-2,6-diisocyanate	Yes	Yes		No
NA - M16	Volatile Organic Compounds (VOCs)	Yes	Yes		No

Applicable Programs - Comments

CAS RN	Substance Name	Comments
67-64-1	Acetone	Not used in the plant. Mistakenly selected in previous reports

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
67-64-1	Acetone	Facility has permanently ceased to use or create the substance	Acetone is not required in the formulation. It was mistakenly checked off in the previous reports.	Acetone is not a part of Poly Urethane Foam.

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
111-42-2	Diethanolamine (and its salts)	Yes	Yes	No
101-68-8	Methylenebis(phenylisocyanate)	Yes	Yes	No
9016-87-9	Polymeric diphenylmethane diisocyanate	Yes	Yes	No
584-84-9	Toluene-2,4-diisocyanate	Yes	Yes	No
91-08-7	Toluene-2,6-diisocyanate	Yes	Yes	No
NA - M16	Volatile Organic Compounds (VOCs)		No	Yes

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
111-42-2	Diethanolamine (and its salts)	Yes	No	No
101-68-8	Methylenebis(phenylisocyanate)	Yes	No	No
9016-87-9	Polymeric diphenylmethane diisocyanate	Yes	No	No
584-84-9	Toluene-2,4-diisocyanate	Yes	No	No
91-08-7	Toluene-2,6-diisocyanate	Yes	No	No
NA - M16	Volatile Organic Compounds (VOCs)			

General Information about the Substance - Nature of Activities

CAS RN	Substance Name	Manufacture the Substance	Process the Substance	Otherwise Use of the Substance
111-42-2	Diethanolamine (and its salts)		As a formulation component	As a physical or chemical processing aid
101-68-8	Methylenebis(phenylisocyanate)		As a reactant	
9016-87-9	Polymeric diphenylmethane diisocyanate		As a reactant	
584-84-9	Toluene-2,4-diisocyanate		As a reactant	
91-08-7	Toluene-2,6-diisocyanate		As a reactant	

CAS RN	Substance Name	Manufacture the Substance	Process the Substance	Otherwise Use of the Substance
NA - M16	Volatile Organic Compounds (VOCs)			

TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained	Quantity	Use ranges for public reporting
111-42-2	Diethanolamine (and its salts)	Use	38.599 tonnes	Yes
111-42-2	Diethanolamine (and its salts)	Creation	0 tonnes	Yes
111-42-2	Diethanolamine (and its salts)	Contained	0 tonnes	Yes
101-68-8	Methylenebis(phenylisocyanate)	Use	58.887 tonnes	Yes
101-68-8	Methylenebis(phenylisocyanate)	Creation	0 tonnes	Yes
101-68-8	Methylenebis(phenylisocyanate)	Contained	0 tonnes	Yes
9016-87-9	Polymeric diphenylmethane diisocyanate	Use	73.609 tonnes	Yes
9016-87-9	Polymeric diphenylmethane diisocyanate	Creation	0 tonnes	Yes
9016-87-9	Polymeric diphenylmethane diisocyanate	Contained	0 tonnes	Yes
584-84-9	Toluene-2,4-diisocyanate	Use	932.878 tonnes	Yes
584-84-9	Toluene-2,4-diisocyanate	Creation	0 tonnes	Yes
584-84-9	Toluene-2,4-diisocyanate	Contained	0 tonnes	Yes
91-08-7	Toluene-2,6-diisocyanate	Use	266.344 tonnes	Yes
91-08-7	Toluene-2,6-diisocyanate	Creation	0 tonnes	Yes
91-08-7	Toluene-2,6-diisocyanate	Contained	0 tonnes	Yes
NA - M16	Volatile Organic Compounds (VOCs)	Use	137.253 tonnes	Yes
NA - M16	Volatile Organic Compounds (VOCs)	Creation	0 tonnes	No
NA - M16	Volatile Organic Compounds (VOCs)	Contained		

TRA Quantifications - VOC Breakdown List

CAS RN	Substance Name	Use, Creation, Contained	Quantity
64742-47-8	Hydrotreated light distillate	Use	137.253 tonnes
64742-47-8	Hydrotreated light distillate	Creation	137.253 tonnes
64742-47-8	Hydrotreated light distillate	Contained	137.253 tonnes

TRA Quantifications - Total Speciated VOCs

Use, Creation, Contained	Quantity
Use	137.253 tonnes
Creation	0 tonnes

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
111-42-2	Diethanolamine (and its salts)					No
101-68-8	Methylenebis(phenylisocyanate)					No
9016-87-9	Polymeric diphenylmethane diisocyanate					Yes
584-84-9	Toluene-2,4-diisocyanate					Yes
91-08-7	Toluene-2,6-diisocyanate					Yes
NA - M16	Volatile Organic Compounds (VOCs)					Yes

On-site Releases - Releases to air

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
67-64-1	Acetone	Other Non-point Releases	C - Mass Balance		0 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	Stack or Point Releases	C - Mass Balance		137.358 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	Other Sources - Speciated VOCs	NA - Not Applicable		137.358 tonnes

On-site Releases - Releases to air - Total

CAS RN	Substance Name	Total - Releases to Air
67-64-1	Acetone	0 tonnes
NA - M16	Volatile Organic Compounds (VOCs)	137.358 tonnes

On-site Releases - Releases to air - VOC Breakdown List

Category	CAS RN	Substance Name	Quantity
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Other Sources - Speciated VOCs	64742-47-8	Hydrotreated light distillate	137.253 tonnes
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Total Quantity Released (All Media)

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
111-42-2	Diethanolamine (and its salts)	Total Quantity Released	E2 - Published Emission Factors		0.016 tonnes
101-68-8	Methylenebis(phenylisocyanate)	Total Quantity Released	E2 - Published Emission Factors		0.000 tonnes
9016-87-9	Polymeric diphenylmethane diisocyanate	Total Quantity Released	E2 - Published Emission Factors		0.000 tonnes
584-84-9	Toluene-2,4-diisocyanate	Total Quantity Released	E2 - Published Emission Factors		0.000 tonnes
91-08-7	Toluene-2,6-diisocyanate	Total Quantity Released	E2 - Published Emission Factors		0.000 tonnes

On-site Releases - Total

On-site Releases - Monthly Breakdown of Annual Releases

CAS RN	Substance Name	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
NA - M16	Volatile Organic Compounds (VOCs)	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34

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)
101-68-8	Methylenebis(phenylisocyanate)	Other (specify in On-site Releases comment field)	The plant switched to another reactant.
111-42-2	Diethanolamine (and its salts)	Changes in production levels	
584-84-9	Toluene-2,4-diisocyanate	Other (specify in On-site Releases comment field)	The plant switched to this reactant during the calender year.
9016-87-9	Polymeric diphenylmethane diisocyanate	Other (specify in On-site Releases comment field)	The plant switched reactants.
91-08-7	Toluene-2,6-diisocyanate	Changes in production levels	
NA - M16	Volatile Organic Compounds (VOCs)	Other (specify in On-site Releases comment field)	Process changes, product mix requiring more mould release.

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

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
111-42-2	Diethanolamine (and its salts)	Incineration / Thermal	C - Mass Balance		0.003 tonnes
101-68-8	Methylenebis(phenylisocyanate)	Incineration / Thermal	C - Mass Balance		0.036 tonnes
9016-87-9	Polymeric diphenylmethane diisocyanate	Incineration / Thermal	C - Mass Balance		0.045 tonnes
584-84-9	Toluene-2,4-diisocyanate	Incineration / Thermal	C - Mass Balance		0.574 tonnes
91-08-7	Toluene-2,6-diisocyanate	Incineration / Thermal	C - Mass Balance		0.086 tonnes

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

CAS RN	Substance Name	Total - Treatment Prior to Final Disposal
111-42-2	Diethanolamine (and its salts)	0.003 tonnes
101-68-8	Methylenebis(phenylisocyanate)	0.036 tonnes
9016-87-9	Polymeric diphenylmethane diisocyanate	0.045 tonnes
584-84-9	Toluene-2,4-diisocyanate	0.574 tonnes
91-08-7	Toluene-2,6-diisocyanate	0.086 tonnes

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

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
101-68-8	Methylenebis(phenylisocyanate)	Incineration / Thermal	Detox Environmental Ltd.	322 Bennett, Bowmanville, ON, Canada	0.036 tonnes
111-42-2	Diethanolamine (and its salts)	Incineration / Thermal	Detox Environmental Ltd.	322 Bennett, Bowmanville, ON, Canada	0.003 tonnes
584-84-9	Toluene-2,4-diisocyanate	Incineration / Thermal	Detox Environmental Ltd.	322 Bennett, Bowmanville, ON, Canada	0.574 tonnes
9016-87-9	Polymeric diphenylmethane diisocyanate	Incineration / Thermal	Detox Environmental Ltd.	322 Bennett, Bowmanville, ON, Canada	0.045 tonnes
91-08-7	Toluene-2,6-diisocyanate	Incineration / Thermal	Detox Environmental Ltd.	322 Bennett, Bowmanville, ON, Canada	0.086 tonnes

Disposals - Off-site Transfers (excluding Tailings and Waste Rock) - Dioxins and Furans Breakdown List By Facility

Category	CAS RN	Substance Name	Off-site Name	Quantity
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Disposals - Total Quantity Disposed (All Media)

CAS RN	Substance Name	Total Quantity Disposed (All Media)
111-42-2	Diethanolamine (and its salts)	0.003 tonnes
101-68-8	Methylenebis(phenylisocyanate)	0.036 tonnes
9016-87-9	Polymeric diphenylmethane diisocyanate	0.045 tonnes
584-84-9	Toluene-2,4-diisocyanate	0.574 tonnes
91-08-7	Toluene-2,6-diisocyanate	0.086 tonnes

Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities Disposed from Previous Year	Comments (Disposals)
101-68-8	Methylenebis(phenylisocyanate)	Production residues	Other (specify in On-site Releases comment field)	Changed over to different reactant.
111-42-2	Diethanolamine (and its salts)	Production residues	Other (specify in On-site Releases comment field)	More efficient usage, Less waste.
584-84-9	Toluene-2,4-diisocyanate	Production residues	Other (specify in On-site Releases comment field)	Change of reactant
9016-87-9	Polymeric diphenylmethane diisocyanate	Production residues	Changes in production levels Other (specify in On-site Releases comment field)	Change in the reactant
91-08-7	Toluene-2,6-diisocyanate	Production residues	Changes in production levels	

Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
101-68-8	Methylenebis(phenylisocyanate)		Other (specify in recycling comments field)	Not recyclable
111-42-2	Diethanolamine (and its salts)		Other (specify in recycling comments field)	Not recyclable
584-84-9	Toluene-2,4-diisocyanate		Other (specify in recycling comments field)	Not recyclable
9016-87-9	Polymeric diphenylmethane diisocyanate		Other (specify in recycling comments field)	Not recyclable
91-08-7	Toluene-2,6-diisocyanate		Other (specify in recycling comments field)	Not recyclable

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
111-42-2	Diethanolamine (and its salts)	No	Enters the facility (Use)	38.599 tonnes	29.359 tonnes	2012	9.240	31.47
111-42-2	Diethanolamine (and its salts)	No	Creation	0 tonnes	0 tonnes	2012	0	
111-42-2	Diethanolamine (and its salts)	No	Contained	0 tonnes	0 tonnes	2012	0	
64742-47-8	Hydrotreated light distillate	Yes	Enters the facility (Use)	137.253 tonnes	116.502 tonnes	2012	20.751	17.81
64742-47-8	Hydrotreated light distillate	Yes	Creation	0 tonnes	0 tonnes	2012	0	
101-68-8	Methylenebis(phenylisocyanate)	No	Enters the facility (Use)	58.887 tonnes	18.138 tonnes	2012	40.749	224.66
101-68-8	Methylenebis(phenylisocyanate)	No	Creation	0 tonnes	0 tonnes	2012	0	
101-68-8	Methylenebis(phenylisocyanate)	No	Contained	0 tonnes	0 tonnes	2012	0	
9016-87-9	Polymeric diphenylmethane diisocyanate	No	Enters the facility (Use)	73.609 tonnes	22.672 tonnes	2012	50.937	224.67
9016-87-9	Polymeric diphenylmethane diisocyanate	No	Creation	0 tonnes	0 tonnes	2012	0	
9016-87-9	Polymeric diphenylmethane diisocyanate	No	Contained	0 tonnes	0 tonnes	2012	0	
584-84-9	Toluene-2,4-diisocyanate	No	Enters the facility (Use)	932.878 tonnes	893.128 tonnes	2012	39.750	4.45
584-84-9	Toluene-2,4-diisocyanate	No	Creation	0 tonnes	0 tonnes	2012	0	
584-84-9	Toluene-2,4-diisocyanate	No	Contained	0 tonnes	0 tonnes	2012	0	
91-08-7	Toluene-2,6-diisocyanate	No	Enters the facility (Use)	266.344 tonnes	233.484 tonnes	2012	32.860	14.07
91-08-7	Toluene-2,6-diisocyanate	No	Creation	0 tonnes	0 tonnes	2012	0	
91-08-7	Toluene-2,6-diisocyanate	No	Contained	0 tonnes	0 tonnes	2012	0	

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
111-42-2	Diethanolamine (and its salts)	Increase in production levels	
101-68-8	Methylenebis(phenylisocyanate)	Increase in production levels Other	Change in the Chemical reactant.

CAS RN	Substance Name	Reason(s) for Change	Other Reason
9016-87-9	Polymeric diphenylmethane diisocyanate	Increase in production levels Other	Change in the Chemical reactant. increased ratio in the formulation
584-84-9	Toluene-2,4-diisocyanate	Increase in production levels	
91-08-7	Toluene-2,6-diisocyanate	Increase in production levels Other	Change in the Chemical reactant-increase in ratio in the formulation.
NA - M16	Volatile Organic Compounds (VOCs)	Increase 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
111-42-2	Diethanolamine (and its salts)	No	Total Releases to Air	0 tonnes				
111-42-2	Diethanolamine (and its salts)	No	Total Releases to Water	0 tonnes				
111-42-2	Diethanolamine (and its salts)	No	Total Releases to Land	0 tonnes				
111-42-2	Diethanolamine (and its salts)	No	Total Releases to All Media	0.016 tonnes	0.012 tonnes	2012	0.004	33.33
64742-47-8	Hydrotreated light distillate	Yes	Total Releases to Air	137.253 tonnes	116.435 tonnes	2012	20.818	17.88
101-68-8	Methylenebis(phenylisocyanate)	No	Total Releases to Air	0 tonnes				
101-68-8	Methylenebis(phenylisocyanate)	No	Total Releases to Water	0 tonnes				
101-68-8	Methylenebis(phenylisocyanate)	No	Total Releases to Land	0 tonnes				
101-68-8	Methylenebis(phenylisocyanate)	No	Total Releases to All Media	0.000 tonnes	0.000 tonnes	2012	0.000	
9016-87-9	Polymeric diphenylmethane diisocyanate	No	Total Releases to Air	0 tonnes				
9016-87-9	Polymeric diphenylmethane diisocyanate	No	Total Releases to Water	0 tonnes				
9016-87-9	Polymeric diphenylmethane diisocyanate	No	Total Releases to Land	0 tonnes				
9016-87-9	Polymeric diphenylmethane diisocyanate	No	Total Releases to All Media	0.000 tonnes	0 tonnes	2012	0.000	
584-84-9	Toluene-2,4-diisocyanate	No	Total Releases to Air	0 tonnes				
584-84-9	Toluene-2,4-diisocyanate	No	Total Releases to Water	0 tonnes				
584-84-9	Toluene-2,4-diisocyanate	No	Total Releases to Land	0 tonnes				
584-84-9	Toluene-2,4-diisocyanate	No	Total Releases to All Media	0.000 tonnes	0 tonnes	2012	0.000	
91-08-7	Toluene-2,6-diisocyanate	No	Total Releases to Air	0 tonnes				
91-08-7	Toluene-2,6-diisocyanate	No	Total Releases to Water	0 tonnes				
91-08-7	Toluene-2,6-diisocyanate	No	Total Releases to Land	0 tonnes				
91-08-7	Toluene-2,6-diisocyanate	No	Total Releases to All Media	0.000 tonnes	0 tonnes	2012	0.000	

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
111-42-2	Diethanolamine (and its salts)	Increase in production levels	
101-68-8	Methylenebis(phenylisocyanate)	No reasons - quantities approximately the same	
9016-87-9	Polymeric diphenylmethane diisocyanate	No reasons - quantities approximately the same	
584-84-9	Toluene-2,4-diisocyanate	No reasons - quantities approximately the same	
91-08-7	Toluene-2,6-diisocyanate	No reasons - quantities approximately the same	
NA - M16	Volatile Organic Compounds (VOCs)	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
111-42-2	Diethanolamine (and its salts)	No	Total On-site Disposals	0 tonnes	0 tonnes	2012	0	
111-42-2	Diethanolamine (and its salts)	No	Total Off-site Disposals	0 tonnes	0 tonnes	2012	0	
111-42-2	Diethanolamine (and its salts)	No	Total Off-site transfer for treatment Prior to Final Disposal	0.003 tonnes	0.034 tonnes	2012	-0.031	-91.18

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
111-42-2	Diethanolamine (and its salts)	No	Total On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2012	0	
111-42-2	Diethanolamine (and its salts)	No	Total Off-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2012	0	
101-68-8	Methylenebis(phenylisocyanate)	No	Total On-site Disposals	0 tonnes	0 tonnes	2012	0	
101-68-8	Methylenebis(phenylisocyanate)	No	Total Off-site Disposals	0 tonnes	0 tonnes	2012	0	
101-68-8	Methylenebis(phenylisocyanate)	No	Total Off-site transfer for treatment Prior to Final Disposal	0.036 tonnes	0.013 tonnes	2012	0.023	176.92
101-68-8	Methylenebis(phenylisocyanate)	No	Total On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2012	0	
101-68-8	Methylenebis(phenylisocyanate)	No	Total Off-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2012	0	
9016-87-9	Polymeric diphenylmethane diisocyanate	No	Total On-site Disposals	0 tonnes	0 tonnes	2012	0	
9016-87-9	Polymeric diphenylmethane diisocyanate	No	Total Off-site Disposals	0 tonnes	0 tonnes	2012	0	
9016-87-9	Polymeric diphenylmethane diisocyanate	No	Total Off-site transfer for treatment Prior to Final Disposal	0.045 tonnes	0.016 tonnes	2012	0.029	181.25
9016-87-9	Polymeric diphenylmethane diisocyanate	No	Total On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2012	0	
9016-87-9	Polymeric diphenylmethane diisocyanate	No	Total Off-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2012	0	
584-84-9	Toluene-2,4-diisocyanate	No	Total On-site Disposals	0 tonnes	0 tonnes	2012	0	
584-84-9	Toluene-2,4-diisocyanate	No	Total Off-site Disposals	0 tonnes	0 tonnes	2012	0	
584-84-9	Toluene-2,4-diisocyanate	No	Total Off-site transfer for treatment Prior to Final Disposal	0.574 tonnes	0.627 tonnes	2012	-0.053	-8.45
584-84-9	Toluene-2,4-diisocyanate	No	Total On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2012	0	
584-84-9	Toluene-2,4-diisocyanate	No	Total Off-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2012	0	
91-08-7	Toluene-2,6-diisocyanate	No	Total On-site Disposals	0 tonnes	0 tonnes	2012	0	
91-08-7	Toluene-2,6-diisocyanate	No	Total Off-site Disposals	0 tonnes	0 tonnes	2012	0	
91-08-7	Toluene-2,6-diisocyanate	No	Total Off-site transfer for treatment Prior to Final Disposal	0.086 tonnes	0.164 tonnes	2012	-0.078	-47.56
91-08-7	Toluene-2,6-diisocyanate	No	Total On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2012	0	
91-08-7	Toluene-2,6-diisocyanate	No	Total Off-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	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
111-42-2	Diethanolamine (and its salts)	Other	More efficient use of the Chemical reactant-Reduction of usage in the formula.
101-68-8	Methylenebis(phenylisocyanate)	Increase in production levels Other	Change in Chemical Reactant
9016-87-9	Polymeric diphenylmethane diisocyanate	Increase in production levels Other	Change in the chemical reactant-increase of ratio in the formulation.
584-84-9	Toluene-2,4-diisocyanate	Other	more efficient usage. Reduction of the usage of reactant in the formula.
91-08-7	Toluene-2,6-diisocyanate	Increase in production levels Other	Change in chemical reactant-ratio in the formulation.

Pollution Prevention

Does the facility have a documented pollution prevention plan?

Yes

a) Please check all that apply

Plan was required by a P2 Planning Notice published under the Canadian Environmental Protection Act, 1999? Specify name in comments field below.

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

Yes

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

Substances

Please summarize your pollution prevention plan and/or your pollution prevention activities (this information will be publicly available)

The Facility intends to reduce the use of the VOC's in Mould release agents by 5% over the next 3 years.

Did the facility complete any pollution prevention activities in the current NPRI

No

Progress on TRA Plan - Objectives

CAS RN	Substance Name	Objectives
111-42-2	Diethanolamine (and its salts)	None.
64742-47-8	Hydrotreated light distillate	Reduction in the use of NAPHTHA
101-68-8	Methylenebis(phenylisocyanate)	None.
9016-87-9	Polymeric diphenylmethane diisocyanate	None.
584-84-9	Toluene-2,4-diisocyanate	None.
91-08-7	Toluene-2,6-diisocyanate	None.

Progress on TRA Plan - Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
111-42-2	Diethanolamine (and its salts)	No quantity target	No timeline target	
64742-47-8	Hydrotreated light distillate	5822 kg	3	
101-68-8	Methylenebis(phenylisocyanate)	No quantity target	No timeline target	
9016-87-9	Polymeric diphenylmethane diisocyanate	No quantity target	No timeline target	
584-84-9	Toluene-2,4-diisocyanate	No quantity target	No timeline target	
91-08-7	Toluene-2,6-diisocyanate	No quantity target	No timeline target	

Progress on TRA Plan - Description

CAS RN	Substance Name	Quantity	Years	Description of Target
111-42-2	Diethanolamine (and its salts)	No quantity target	No timeline target	
64742-47-8	Hydrotreated light distillate	No quantity target	No timeline target	
101-68-8	Methylenebis(phenylisocyanate)	No quantity target	No timeline target	
9016-87-9	Polymeric diphenylmethane diisocyanate	No quantity target	No timeline target	
584-84-9	Toluene-2,4-diisocyanate	No quantity target	No timeline target	
91-08-7	Toluene-2,6-diisocyanate	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
64742-47-8	Hydrotreated light distillate	Modified equipment, layout or piping	The reduction of the usage of the mould release is currently under progress. monitoring and change of spray patterns has resulted in savings and also elimination of waste due to excessive spray on the gaps between the tools. Currently doing good progress on the plan as submitted.	1, Reduction of Mould Release consumption from 47 gms per meter to 27 grams per meter is currently in effect and we shall see the result of this in the coming months. 2, Different patterns of spray are being tried to avoid excessive usage. 3, Elimination of waste by programming the spray guns to stop spraying during the gaps between the tools and that helps to avoid waste.	The implementation of the reduction of usage has already been implemented. Currently the plan is in the monitoring stage. we can submit more details of required later in the year (3rd Quarter).	1, Reduction of Mould Release consumption from 47 gms per meter to 27 grams per meter is currently in effect and we shall see the result of this in the coming months. 2, Different patterns of spray are being tried to avoid excessive usage. 3, Elimination of waste by programming the spray guns to stop spraying during the gaps between the tools and that helps to avoid waste.

Progress on TRA Plan - Reductions due to Options Implemented - Equipment or process modifications

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
64742-47-8	Hydrotreated light distillate	Modified equipment, layout or piping	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
64742-47-8	Hydrotreated light distillate	Modified equipment, layout or piping	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
64742-47-8	Hydrotreated light distillate	Modified equipment, layout or piping	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the steps described:	No Amount
64742-47-8	Hydrotreated light distillate	Modified equipment, layout or piping	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
64742-47-8	Hydrotreated light distillate	Modified equipment, layout or piping	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
64742-47-8	Hydrotreated light distillate	Modified equipment, layout or piping	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
64742-47-8	Hydrotreated light distillate	Modified equipment, layout or piping	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

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
64742-47-8	Hydrotreated light distillate	Modified equipment, layout or piping	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
64742-47-8	Hydrotreated light distillate	Modified equipment, layout or piping	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
111-42-2	Diethanolamine (and its salts)	No		
64742-47-8	Hydrotreated light distillate	No		
101-68-8	Methylenebis(phenylisocyanate)	No		
9016-87-9	Polymeric diphenylmethane diisocyanate	No		
584-84-9	Toluene-2,4-diisocyanate	No		
91-08-7	Toluene-2,6-diisocyanate	No		

Progress on TRA Plan - Reductions due to additional actions taken

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
111-42-2	Diethanolamine (and its salts)	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
111-42-2	Diethanolamine (and its salts)	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
111-42-2	Diethanolamine (and its salts)	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
111-42-2	Diethanolamine (and its salts)	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.	
111-42-2	Diethanolamine (and its salts)	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.	
111-42-2	Diethanolamine (and its salts)	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
111-42-2	Diethanolamine (and its salts)	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.	
111-42-2	Diethanolamine (and its salts)	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.	
111-42-2	Diethanolamine (and its salts)	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	
64742-47-8	Hydrotreated light distillate	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
64742-47-8	Hydrotreated light distillate	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
64742-47-8	Hydrotreated light distillate	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
64742-47-8	Hydrotreated light distillate	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.	
64742-47-8	Hydrotreated light distillate	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.	
64742-47-8	Hydrotreated light distillate	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
64742-47-8	Hydrotreated light distillate	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.	
64742-47-8	Hydrotreated light distillate	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.	
64742-47-8	Hydrotreated light distillate	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	
101-68-8	Methylenebis(phenylisocyanate)	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
101-68-8	Methylenebis(phenylisocyanate)	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
101-68-8	Methylenebis(phenylisocyanate)	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
101-68-8	Methylenebis(phenylisocyanate)	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.	
101-68-8	Methylenebis(phenylisocyanate)	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.	
101-68-8	Methylenebis(phenylisocyanate)	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
101-68-8	Methylenebis(phenylisocyanate)	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.	

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
101-68-8	Methylenebis(phenylisocyanate)	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.	
101-68-8	Methylenebis(phenylisocyanate)	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	
9016-87-9	Polymeric diphenylmethane diisocyanate	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
9016-87-9	Polymeric diphenylmethane diisocyanate	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
9016-87-9	Polymeric diphenylmethane diisocyanate	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
9016-87-9	Polymeric diphenylmethane diisocyanate	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.	
9016-87-9	Polymeric diphenylmethane diisocyanate	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.	
9016-87-9	Polymeric diphenylmethane diisocyanate	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
9016-87-9	Polymeric diphenylmethane diisocyanate	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.	
9016-87-9	Polymeric diphenylmethane diisocyanate	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.	
9016-87-9	Polymeric diphenylmethane diisocyanate	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	
584-84-9	Toluene-2,4-diisocyanate	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
584-84-9	Toluene-2,4-diisocyanate	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
584-84-9	Toluene-2,4-diisocyanate	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
584-84-9	Toluene-2,4-diisocyanate	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.	
584-84-9	Toluene-2,4-diisocyanate	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.	
584-84-9	Toluene-2,4-diisocyanate	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
584-84-9	Toluene-2,4-diisocyanate	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.	
584-84-9	Toluene-2,4-diisocyanate	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.	
584-84-9	Toluene-2,4-diisocyanate	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	
91-08-7	Toluene-2,6-diisocyanate	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
91-08-7	Toluene-2,6-diisocyanate	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
91-08-7	Toluene-2,6-diisocyanate	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
91-08-7	Toluene-2,6-diisocyanate	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.	
91-08-7	Toluene-2,6-diisocyanate	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.	
91-08-7	Toluene-2,6-diisocyanate	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
91-08-7	Toluene-2,6-diisocyanate	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.	
91-08-7	Toluene-2,6-diisocyanate	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.	
91-08-7	Toluene-2,6-diisocyanate	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
111-42-2	Diethanolamine (and its salts)	No		
64742-47-8	Hydrotreated light distillate	No		
101-68-8	Methylenebis(phenylisocyanate)	No		
9016-87-9	Polymeric diphenylmethane diisocyanate	No		
584-84-9	Toluene-2,4-diisocyanate	No		
91-08-7	Toluene-2,6-diisocyanate	No		



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