

National Pollutant Release Inventory (NPRI) and



Partners

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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:	11/05/2015 2:16 PM
Report Update Comments:	During filing of the 2014 report, 3 errors were noted in values reported in 2013. The calculated values in the supporting calculations were not correctly transferred to the SWIM database. Two values for Chromium (air release and off-site transfers) were incorrect, and one D/F conjener was inputted incorrectly.

Company and Facility Details

Company Name:	Sapa Canada Inc.
Business Number:	857314058
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 7 Alloy Court City, Province/Territory, Postal Code: Toronto Ontario M9M3A2 Country: Canada
Facility Name:	Toronto Division
NAICS Code:	331529
NPRI ID:	1480
Physical Address:	Address Line 1: 7 Alloy Court City, Province/Territory, Postal Code: Toronto Ontario M9M3A2 Country: Canada Latitude: 43.73600 Longitude: -79.53200 UTM Zone: 17 UTM Easting: 618216.80 UTM Northing: 4843598.72

Parent Companies

Company Name:	Sapa AB
Mailing Address:	Address Line 1: City, Province/Territory, Postal Code: None Country: None

Permits

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.

Mailing Address: Delivery Mode: GeneralDelivery
Address Line 1: 1214 Saginaw Crescent
City, Province/Territory, Postal Code: Mississauga Ontario L5H3W6
Country: Canada

Contact Type: Certifying Official, Highest Ranking Employee

Name: David Reid

Position: Plant Manager

Telephone: 4169061556

Email: david.reid@sapagroup.com

Mailing Address: Delivery Mode: GeneralDelivery
Address Line 1: 7 Alloy Court
City, Province/Territory, Postal Code: Toronto Ontario M9M 3A2
Country: Canada

Contact Type: Person who coordinated the preparation of the Toxics Reduction Plan

Name: Wendy Nadan

Position: Principal

Telephone: 5199404724

Email: wendy@nadanconsulting.com

Mailing Address: Delivery Mode: SuburbanServices
Address Line 1: 151 Montgomery Boulevard
City, Province/Territory, Postal Code: Orangeville Ontario L9W 5C1
Country: Canada

General Information

Number of employees: 53

Activities for Which the 20,000-Hour Employee Threshold Does Not Apply: None of the above

Activities Relevant to Reporting Dioxins, Furans and Hexachlorobenzene: Smelting of secondary aluminum

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: Yes

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, Sun

Usual Number of Operating Hours per day: 24

Usual Daily Start Time (24h) (hh:mm): 06:00

Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
NA - 04	Chromium (and its compounds)	0.0040	N/A	0.0350	0.0060	tonnes

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
NA - 06	Copper (and its compounds)	0.0140	N/A	0.2300	3.3770	tonnes
NA - D/F	Dioxins and furans - total	0.0458	NI	NI	NI	g TEQ(ET)
118-74-1	Hexachlorobenzene	0.0000	N/A	N/A	N/A	grams
NA - 09	Manganese (and its compounds)	0.0060	N/A	0.0410	1.9480	tonnes
NA - M09	PM10 - Particulate Matter <= 10 Microns	7.7300	N/A	N/A	N/A	tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	5.3500	N/A	N/A	N/A	tonnes
NA - M08	Total Particulate Matter	9.2000	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 - 06	Copper (and its compounds)	Yes	Yes		No
NA - D/F	Dioxins and furans - total	Yes	Yes		No
118-74-1	Hexachlorobenzene	Yes	Yes		No
NA - 09	Manganese (and its compounds)	Yes	Yes		No
NA - M09	PM10 - Particulate Matter <= 10 Microns	Yes	Yes		No
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Yes	Yes		No
NA - M08	Total Particulate Matter	Yes	Yes		No

General Information about the Substance - Releases and Transfers of the Substance

CAS RN	Substance Name	Was the substance released on-site	The substance will be reported as the sum of releases to all media (total of 1 tonne or less)	1 tonne or more of a Part 5 Substance (Speciated VOC) was released to air
NA - 04	Chromium (and its compounds)	Yes	No	No
NA - 06	Copper (and its compounds)	Yes	No	No
NA - D/F	Dioxins and furans - total	Yes	No	No
118-74-1	Hexachlorobenzene	Yes	No	No
NA - 09	Manganese (and its compounds)	Yes	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)	Yes	No	Yes
NA - 06	Copper (and its compounds)	Yes	No	Yes
NA - D/F	Dioxins and furans - total	No	No	No
118-74-1	Hexachlorobenzene	No	No	No
NA - 09	Manganese (and its compounds)	Yes	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 by-product As an impurity	As a reactant	
NA - 06	Copper (and its compounds)	As a by-product As an impurity	As a reactant	
NA - D/F	Dioxins and furans - total	As a by-product		
118-74-1	Hexachlorobenzene	As an impurity		
NA - 09	Manganese (and its compounds)	As a by-product As an impurity	As a reactant	

TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained	Quantity	Use ranges for public reporting
NA - 04	Chromium (and its compounds)	Use	19.742 tonnes	Yes
NA - 04	Chromium (and its compounds)	Creation	0 tonnes	No
NA - 04	Chromium (and its compounds)	Contained	19.697 tonnes	Yes
NA - 06	Copper (and its compounds)	Use	91.026 tonnes	Yes

CAS RN	Substance Name	Use, Creation, Contained	Quantity	Use ranges for public reporting
NA - 06	Copper (and its compounds)	Creation	0 tonnes	No
NA - 06	Copper (and its compounds)	Contained	87.406 tonnes	Yes
NA - D/F	Dioxins and furans - total	Use	0.000 g TEQ(ET)	No
NA - D/F	Dioxins and furans - total	Creation	0.0458 g TEQ(ET)	Yes
NA - D/F	Dioxins and furans - total	Contained	0.00 g TEQ(ET)	No
118-74-1	Hexachlorobenzene	Use	0 grams	No
118-74-1	Hexachlorobenzene	Creation	0 grams	Yes
118-74-1	Hexachlorobenzene	Contained	0 grams	Yes
NA - 09	Manganese (and its compounds)	Use	63.146 tonnes	Yes
NA - 09	Manganese (and its compounds)	Creation	0 tonnes	No
NA - 09	Manganese (and its compounds)	Contained	61.150 tonnes	Yes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Use	0 tonnes	No
NA - M09	PM10 - Particulate Matter <= 10 Microns	Creation	7.73 tonnes	Yes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Contained		
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Use	0 tonnes	No
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Creation	5.35 tonnes	Yes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Contained		
NA - M08	Total Particulate Matter	Use	0 tonnes	No
NA - M08	Total Particulate Matter	Creation	9.2 tonnes	Yes
NA - M08	Total Particulate Matter	Contained		

TRA Quantifications - Dioxins and Furans Breakdown List

CAS RN	Substance Name	Use, Creation, Contained	Quantity
39001-02-0	Octachlorodibenzofuran	Use	0 grams
39001-02-0	Octachlorodibenzofuran	Creation	0 grams
39001-02-0	Octachlorodibenzofuran	Contained	0 grams
3268-87-9	Octachlorodibenzo-p-dioxin	Use	0 grams
3268-87-9	Octachlorodibenzo-p-dioxin	Creation	0 grams
3268-87-9	Octachlorodibenzo-p-dioxin	Contained	0 grams

TRA Quantifications - Total of D/F congeners (from above)

Use, Creation, Contained	Quantity
Use	0.000 g TEQ(ET)
Creation	0.0458 g TEQ(ET)
Contained	0.00 g TEQ(ET)

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)	Stack testing of emissions was conducted as required by an EPA section 9 approval	For the purposes of complying with a requirement under an Act, an Act of Canada, or a municipal by-law	emission rates were determined to be different than previous estimates		No
NA - 06	Copper (and its compounds)	Stack testing of emissions was conducted as required by an EPA section 9 approval	For the purposes of complying with a requirement under an Act, an Act of Canada, or a municipal by-law	emission rates were confirmed to be lower than previous estimates		No
NA - D/F	Dioxins and furans - total					No
118-74-1	Hexachlorobenzene					No
NA - 09	Manganese (and its compounds)	Stack testing of emissions was conducted as required by an EPA section 9 approval	For the purposes of complying with a requirement under an Act, an Act of Canada, or a municipal by-law	emission rates were determined to be different than previous estimates		No
NA - M09	PM10 - Particulate Matter <= 10 Microns	Stack testing of emissions was conducted as required by an EPA section 9 approval	For the purposes of complying with a requirement under an Act, an Act of Canada, or a municipal by-law	Emission rates were determined to be lower than previous estimates		No
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Stack testing of emissions was conducted as required by an EPA section 9 approval	For the purposes of complying with a requirement under an Act, an Act of Canada, or a municipal by-law	Emission rates were determined to be lower than previous estimates		No
NA - M08	Total Particulate Matter	Stack testing of emissions was conducted as required by an EPA section 9 approval	For the purposes of complying with a requirement under an Act, an Act of Canada, or a municipal by-law	emission rates were determined to be lower than previous estimates		No

On-site Releases - Releases to air

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 04	Chromium (and its compounds)	Stack or Point Releases	M3 - Source Testing		0.004 tonnes
NA - 06	Copper (and its compounds)	Stack or Point Releases	E1 - Site Specific Emission Factors		0.014 tonnes
NA - D/F	Dioxins and furans - total	Stack or Point Releases	C - Mass Balance		0.0458 g TEQ(ET)
118-74-1	Hexachlorobenzene	Stack or Point Releases	C - Mass Balance		0 grams
NA - 09	Manganese (and its compounds)	Stack or Point Releases	C - Mass Balance		0.006 tonnes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Stack or Point Releases	E1 - Site Specific Emission Factors		7.73 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Stack or Point Releases	E1 - Site Specific Emission Factors		5.35 tonnes
NA - M08	Total Particulate Matter	Stack or Point Releases	E1 - Site Specific Emission Factors		9.2 tonnes

On-site Releases - Releases to air - Total

CAS RN	Substance Name	Total - Releases to Air
NA - 04	Chromium (and its compounds)	0.004 tonnes
NA - 06	Copper (and its compounds)	0.014 tonnes
NA - D/F	Dioxins and furans - total	0.0458 g TEQ(ET)
118-74-1	Hexachlorobenzene	0 grams
NA - 09	Manganese (and its compounds)	0.006 tonnes
NA - M09	PM10 - Particulate Matter <= 10 Microns	7.73 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	5.35 tonnes
NA - M08	Total Particulate Matter	9.2 tonnes

On-site Releases - Releases to air - Dioxins and Furans Breakdown List

Category	CAS RN	Substance Name	Quantity
Stack or Point Releases	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.0056 grams
Stack or Point Releases	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.0407 grams
Stack or Point Releases	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.0024 grams
Stack or Point Releases	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	0.0040 grams
Stack or Point Releases	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.0040 grams
Stack or Point Releases	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	0.0104 grams
Stack or Point Releases	57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.0104 grams
Stack or Point Releases	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	0.0016 grams
Stack or Point Releases	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.0120 grams
Stack or Point Releases	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	0.0048 grams
Stack or Point Releases	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.0048 grams
Stack or Point Releases	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	0.0239 grams
Stack or Point Releases	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	0.0016 grams
Stack or Point Releases	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	0.0008 grams
Stack or Point Releases	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.0351 grams
Stack or Point Releases	39001-02-0	Octachlorodibenzofuran	0.0239 grams
Stack or Point Releases	3268-87-9	Octachlorodibenzo-p-dioxin	0.0335 grams

On-site Releases - Total

CAS RN	Substance Name	Total releases
NA - 04	Chromium (and its compounds)	0.004 tonnes
NA - 06	Copper (and its compounds)	0.014 tonnes
NA - D/F	Dioxins and furans - total	0.0458 g TEQ(ET)
118-74-1	Hexachlorobenzene	0 grams
NA - 09	Manganese (and its compounds)	0.006 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)	25	25	25	25
NA - 06	Copper (and its compounds)	25	25	25	25
NA - D/F	Dioxins and furans - total	25	25	25	25
118-74-1	Hexachlorobenzene	25	25	25	25
NA - 09	Manganese (and its compounds)	25	25	25	25

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 - M09	PM10 - Particulate Matter <= 10 Microns	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34
NA - M08	Total Particulate Matter	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)
118-74-1	Hexachlorobenzene	No significant change (i.e. < 10%) or no change	
NA - 04	Chromium (and its compounds)	Changes in production levels Changes in estimation methods	
NA - 06	Copper (and its compounds)	Changes in production levels	
NA - 09	Manganese (and its compounds)	Changes in production levels Changes in estimation methods	
NA - D/F	Dioxins and furans - total	Changes in production levels Changes in estimation methods	
NA - M08	Total Particulate Matter	Changes in production levels Changes in estimation methods	Stack testing of emissions was conducted as required by an EPA section 9 approval. Emission rates were determined to be lower than previous estimates.
NA - M09	PM10 - Particulate Matter <= 10 Microns	Changes in production levels Changes in estimation methods	Stack testing of emissions was conducted as required by an EPA section 9 approval. Emission rates were determined to be lower than previous estimates.
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Changes in production levels Changes in estimation methods	Stack testing of emissions was conducted as required by an EPA section 9 approval. Emission rates were determined to be lower than previous estimates.

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

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 04	Chromium (and its compounds)	Landfill	C - Mass Balance		0.035 tonnes
NA - 06	Copper (and its compounds)	Landfill	C - Mass Balance		0.230 tonnes
NA - 09	Manganese (and its compounds)	Landfill	C - Mass Balance		0.041 tonnes

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

CAS RN	Substance Name	Total - Off-site Disposals
NA - 04	Chromium (and its compounds)	0.035 tonnes
NA - 06	Copper (and its compounds)	0.230 tonnes
NA - 09	Manganese (and its compounds)	0.041 tonnes

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

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
NA - 04	Chromium (and its compounds)	Landfill	Greenway Industries Corp.	35 Freshway Dr., Concord, ON, Canada	
NA - 04	Chromium (and its compounds)	Landfill	Newalta Corp. - Fort Erie	1731 Petit Rd., Fort Erie, ON, Canada	0.035 tonnes
NA - 04	Chromium (and its compounds)	Landfill	Newalta Corp. - Stoney Creek Landfill	65 Green Mountain Rd., Stoney Creek, ON, Canada	
NA - 06	Copper (and its compounds)	Landfill	Greenway Industries Corp.	35 Freshway Dr., Concord, ON, Canada	
NA - 06	Copper (and its compounds)	Landfill	Newalta Corp. - Fort Erie	1731 Petit Rd., Fort Erie, ON, Canada	0.230 tonnes
NA - 06	Copper (and its compounds)	Landfill	Newalta Corp. - Stoney Creek Landfill	65 Green Mountain Rd., Stoney Creek, ON, Canada	
NA - 09	Manganese (and its compounds)	Landfill	Greenway Industries Corp.	35 Freshway Dr., Concord, ON, Canada	
NA - 09	Manganese (and its compounds)	Landfill	Newalta Corp. - Fort Erie	1731 Petit Rd., Fort Erie, ON, Canada	0.041 tonnes
NA - 09	Manganese (and its compounds)	Landfill	Newalta Corp. - Stoney Creek Landfill	65 Green Mountain Rd., Stoney Creek, ON, Canada	

Disposals - Off-site Disposal (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)
NA - 04	Chromium (and its compounds)	0.035 tonnes
NA - 06	Copper (and its compounds)	0.230 tonnes

CAS RN	Substance Name	Total Quantity Disposed (All Media)
NA - 09	Manganese (and its compounds)	0.041 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)
118-74-1	Hexachlorobenzene		No significant change (i.e. < 10%) or no change	
NA - 04	Chromium (and its compounds)	Production residues	Changes in production levels	
NA - 06	Copper (and its compounds)	Production residues	Changes in production levels	
NA - 09	Manganese (and its compounds)	Production residues	Changes in production levels Changes in estimation methods	
NA - D/F	Dioxins and furans - total		Changes in production levels Changes in estimation methods	

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		0.006 tonnes
NA - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	C - Mass Balance		3.377 tonnes
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	C - Mass Balance		1.948 tonnes

Recycling - Off-site Transfers for Recycling - Total

CAS RN	Substance Name	Total - Off-site Transfers for Recycling
NA - 04	Chromium (and its compounds)	0.006 tonnes
NA - 06	Copper (and its compounds)	3.377 tonnes
NA - 09	Manganese (and its compounds)	1.948 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	Greenway Industries Corp.	35 Freshway Dr., Concord, ON, Canada	0.006 tonnes
NA - 04	Chromium (and its compounds)	Recovery of Metals and Metal Compounds	Newalta Corp. - Fort Erie	1731 Petit Rd., Fort Erie, ON, Canada	
NA - 04	Chromium (and its compounds)	Recovery of Metals and Metal Compounds	Newalta Corp. - Stoney Creek Landfill	65 Green Mountain Rd., Stoney Creek, ON, Canada	
NA - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	Greenway Industries Corp.	35 Freshway Dr., Concord, ON, Canada	3.377 tonnes
NA - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	Newalta Corp. - Fort Erie	1731 Petit Rd., Fort Erie, ON, Canada	
NA - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	Newalta Corp. - Stoney Creek Landfill	65 Green Mountain Rd., Stoney Creek, ON, Canada	
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	Greenway Industries Corp.	35 Freshway Dr., Concord, ON, Canada	1.948 tonnes
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	Newalta Corp. - Fort Erie	1731 Petit Rd., Fort Erie, ON, Canada	
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	Newalta Corp. - Stoney Creek Landfill	65 Green Mountain Rd., Stoney Creek, ON, Canada	

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
118-74-1	Hexachlorobenzene		No significant change (i.e. < 10%) or no change	
NA - 04	Chromium (and its compounds)	Production Residues	Changes in production levels	
NA - 06	Copper (and its compounds)	Production Residues	Changes in production levels	
NA - 09	Manganese (and its compounds)	Production Residues	Changes in production levels Changes in estimation methods	
NA - D/F	Dioxins and furans - total		No significant change (i.e. < 10%) or no change	

Comparison Report - Enters, Creation, Contained in Product

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
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CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	Yes	Creation	0.0056 g TEQ(ET)	0.0003 g TEQ(ET)	2012	0.0053	1766.67
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Yes	Creation	0.0407 g TEQ(ET)	0.0004 g TEQ(ET)	2012	0.0403	10075.00
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Yes	Contained	0 g TEQ(ET)	0 g TEQ(ET)	2012	0	
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	Yes	Creation	0.0024 g TEQ(ET)	0.0001 g TEQ(ET)	2012	0.0023	2300
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	Yes	Creation	0.0040 g TEQ(ET)	0.0038 g TEQ(ET)	2012	0.0002	5.26
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	Yes	Creation	0.0040 g TEQ(ET)	0.0007 g TEQ(ET)	2012	0.0033	471.43
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	Yes	Creation	0.0104 g TEQ(ET)	0.0031 g TEQ(ET)	2012	0.0073	235.48
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	Yes	Creation	0.0104 g TEQ(ET)	0.0014 g TEQ(ET)	2012	0.0090	642.86
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	Yes	Creation	0.0016 g TEQ(ET)	0.0019 g TEQ(ET)	2012	-0.0003	-15.79
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	Yes	Creation	0.0120 g TEQ(ET)	0.0023 g TEQ(ET)	2012	0.0097	421.74
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	Yes	Creation	0.0048 g TEQ(ET)	0.0255 g TEQ(ET)	2012	-0.0207	-81.18
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	Yes	Creation	0.0048 g TEQ(ET)	0.0062 g TEQ(ET)	2012	-0.0014	-22.58
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	Yes	Creation	0.0239 g TEQ(ET)	0.0003 g TEQ(ET)	2012	0.0236	7866.67
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	Yes	Creation	0.0016 g TEQ(ET)	0.001 g TEQ(ET)	2012	0.0006	60.0
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	Yes	Creation	0.0008 g TEQ(ET)	0.0185 g TEQ(ET)	2012	-0.0177	-95.68
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	Yes	Creation	0.0351 g TEQ(ET)	0.004 g TEQ(ET)	2012	0.0311	777.50
NA - 04	Chromium (and its compounds)	No	Enters the facility (Use)	19.742 tonnes	27.060 tonnes	2012	-7.318	-27.04
NA - 04	Chromium (and its compounds)	No	Creation	0 tonnes	0 tonnes	2012	0	
NA - 04	Chromium (and its compounds)	No	Contained	19.697 tonnes	26.957 tonnes	2012	-7.260	-26.93
NA - 06	Copper (and its compounds)	No	Enters the facility (Use)	91.026 tonnes	98.558 tonnes	2012	-7.532	-7.64
NA - 06	Copper (and its compounds)	No	Creation	0 tonnes	0 tonnes	2012	0	
NA - 06	Copper (and its compounds)	No	Contained	87.406 tonnes	99.945 tonnes	2012	-12.539	-12.55
118-74-1	Hexachlorobenzene	No	Enters the facility (Use)	0 grams	0 grams	2012	0	
118-74-1	Hexachlorobenzene	No	Creation	0 grams	1 grams	2012	-1	-100
118-74-1	Hexachlorobenzene	No	Contained	0 grams	0 grams	2012	0	
NA - 09	Manganese (and its compounds)	No	Enters the facility (Use)	63.146 tonnes	58.579 tonnes	2012	4.567	7.80
NA - 09	Manganese (and its compounds)	No	Creation	0 tonnes	0 tonnes	2012	0	
NA - 09	Manganese (and its compounds)	No	Contained	61.150 tonnes	57.669 tonnes	2012	3.481	6.04
39001-02-0	Octachlorodibenzofuran	Yes	Enters the facility (Use)	0 g TEQ(ET)	0 g TEQ(ET)	2012	0	
39001-02-0	Octachlorodibenzofuran	Yes	Creation	0.0239 g TEQ(ET)	0.0 g TEQ(ET)	2012	0.0239	100
3268-87-9	Octachlorodibenzo-p-dioxin	Yes	Enters the facility (Use)	0 g TEQ(ET)	0 g TEQ(ET)	2012	0	
3268-87-9	Octachlorodibenzo-p-dioxin	Yes	Creation	0.0335 g TEQ(ET)	0 g TEQ(ET)	2012	0.0335	100
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Enters the facility (Use)	0 tonnes	0 tonnes	2012	0	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Creation	7.73 tonnes	26.67 tonnes	2012	-18.94	-71.02
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Enters the facility (Use)	0 tonnes	0 tonnes	2012	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Creation	5.35 tonnes	21.99 tonnes	2012	-16.64	-75.67
NA - M08	Total Particulate Matter	No	Enters the facility (Use)	0 tonnes	0 tonnes	2012	0	
NA - M08	Total Particulate Matter	No	Creation	9.2 tonnes	37.9 tonnes	2012	-28.7	-75.73

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	
NA - 06	Copper (and its compounds)	No reasons - quantities approximately the same	
NA - D/F	Dioxins and furans - total	Other	The previous emission estimates of these trace air emissions were done by another consultant and the method was not substantiated. The current estimates are based on EPA emission factors, though there are several to choose from for this type of process.
118-74-1	Hexachlorobenzene	Other	no information available on hexachlorobenzene - mandatory reporting by Environment Canada but it is not considered to be a contaminant from the facility
NA - 09	Manganese (and its compounds)	No reasons - quantities approximately the same	
NA - M09	PM10 - Particulate Matter <= 10 Microns	Other	stack testing provided different emission rates for some sources
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Other	stack testing provided different emission rates for some sources
NA - M08	Total Particulate Matter	Other	stack testing provided different emission rates for some sources

Comparison Report - On-site Releases

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	Yes	Total Releases to Air	0.0056 g TEQ(ET)	0.0003 g TEQ(ET)	2012	0.0053	1766.67
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0407 g TEQ(ET)	0.0004 g TEQ(ET)	2012	0.0403	10075.00
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	Yes	Total Releases to Air	0.0024 g TEQ(ET)	0.0001 g TEQ(ET)	2012	0.0023	2300
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	Yes	Total Releases to Air	0.0040 g TEQ(ET)	0.0038 g TEQ(ET)	2012	0.0002	5.26
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0040 g TEQ(ET)	0.0007 g TEQ(ET)	2012	0.0033	471.43
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	Yes	Total Releases to Air	0.0104 g TEQ(ET)	0.0031 g TEQ(ET)	2012	0.0073	235.48
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0104 g TEQ(ET)	0.0014 g TEQ(ET)	2012	0.0090	642.86
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	Yes	Total Releases to Air	0.0016 g TEQ(ET)	0.0019 g TEQ(ET)	2012	-0.0003	-15.79
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0120 g TEQ(ET)	0.0023 g TEQ(ET)	2012	0.0097	421.74
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	Yes	Total Releases to Air	0.0048 g TEQ(ET)	0.0255 g TEQ(ET)	2012	-0.0207	-81.18
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0048 g TEQ(ET)	0.0062 g TEQ(ET)	2012	-0.0014	-22.58
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	Yes	Total Releases to Air	0.0239 g TEQ(ET)	0.0003 g TEQ(ET)	2012	0.0236	7866.67
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	Yes	Total Releases to Air	0.0016 g TEQ(ET)	0.0010 g TEQ(ET)	2012	0.0006	60.0
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	Yes	Total Releases to Air	0.0008 g TEQ(ET)	0.0185 g TEQ(ET)	2012	-0.0177	-95.68
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0351 g TEQ(ET)	0.0040 g TEQ(ET)	2012	0.0311	777.50
NA - 04	Chromium (and its compounds)	No	Total Releases to Air	0.004 tonnes	0.1 tonnes	2012	-0.096	-96.00
NA - 04	Chromium (and its compounds)	No	Total Releases to Water	0 tonnes	1 tonnes	2012	-1	-100
NA - 04	Chromium (and its compounds)	No	Total Releases to Land	0 tonnes	1 tonnes	2012	-1	-100
NA - 04	Chromium (and its compounds)	No	Total Releases to All Media	0 tonnes				
NA - 06	Copper (and its compounds)	No	Total Releases to Air	0.014 tonnes	0.020 tonnes	2012	-0.006	-30.0
NA - 06	Copper (and its compounds)	No	Total Releases to Water	0 tonnes	0 tonnes	2012	0	
NA - 06	Copper (and its compounds)	No	Total Releases to Land	0 tonnes	0 tonnes	2012	0	
NA - 06	Copper (and its compounds)	No	Total Releases to All Media	0 tonnes	0 tonnes	2012	0	

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
118-74-1	Hexachlorobenzene	No	Total Releases to Air	0 grams	0 grams	2012	0	
118-74-1	Hexachlorobenzene	No	Total Releases to Water	0 grams	0 grams	2012	0	
118-74-1	Hexachlorobenzene	No	Total Releases to Land	0 grams	0 grams	2012	0	
118-74-1	Hexachlorobenzene	No	Total Releases to All Media	0 grams	0 grams	2012	0	
NA - 09	Manganese (and its compounds)	No	Total Releases to Air	0.006 tonnes	0.062 tonnes	2012	-0.056	-90.32
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 tonnes	0 tonnes	2012	0	
39001-02-0	Octachlorodibenzofuran	Yes	Total Releases to Air	0.0239 g TEQ(ET)	0 g TEQ(ET)	2012	0.0239	100
3268-87-9	Octachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0335 g TEQ(ET)	0 g TEQ(ET)	2012	0.0335	100
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Air	7.73 tonnes	26.7 tonnes	2012	-18.97	-71.05
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Water	0 tonnes	0 tonnes	2012	0	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Land	0 tonnes	0 tonnes	2012	0	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to All Media	0 tonnes	0 tonnes	2012	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Air	5.35 tonnes	21.98 tonnes	2012	-16.63	-75.66
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Water	0 tonnes	0 tonnes	2012	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Land	0 tonnes	0 tonnes	2012	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to All Media	0 tonnes	0 tonnes	2012	0	
NA - M08	Total Particulate Matter	No	Total Releases to Air	9.2 tonnes	37.9 tonnes	2012	-28.7	-75.73
NA - M08	Total Particulate Matter	No	Total Releases to Water	0 tonnes	0 tonnes	2012	0	
NA - M08	Total Particulate Matter	No	Total Releases to Land	0 tonnes	0 tonnes	2012	0	
NA - M08	Total Particulate Matter	No	Total Releases to All Media	0 tonnes	0 tonnes	2012	0	

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)	Decrease in production levels	
NA - 06	Copper (and its compounds)	Other	stack testing provided different emission rates for some sources
NA - D/F	Dioxins and furans - total	Change in quantification methodology	
118-74-1	Hexachlorobenzene	No reasons - quantities approximately the same	
NA - 09	Manganese (and its compounds)	Other	stack testing provided different emission rates for some sources
NA - M09	PM10 - Particulate Matter <= 10 Microns	Other	stack testing provided different emission rates for some sources
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Other	stack testing provided different emission rates for some sources
NA - M08	Total Particulate Matter	Other	stack testing provided different emission rates for some sources

Comparison Report - Disposals On-site, Off-site and Tailings and Waste Rock

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 04	Chromium (and its compounds)	No	Total On-site Disposals	0 tonnes	0 tonnes	2012	0	
NA - 04	Chromium (and its compounds)	No	Total Off-site Disposals	0.035 tonnes	0.023 tonnes	2012	0.012	52.17
NA - 04	Chromium (and its compounds)	No	Total Off-site transfer for treatment Prior to Final Disposal	0 tonnes	0 tonnes	2012	0	

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 On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2012	0	
NA - 04	Chromium (and its compounds)	No	Total Off-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2012	0	
NA - 06	Copper (and its compounds)	No	Total On-site Disposals	0 tonnes	0 tonnes	2012	0	
NA - 06	Copper (and its compounds)	No	Total Off-site Disposals	0.230 tonnes	0.184 tonnes	2012	0.046	25.00
NA - 06	Copper (and its compounds)	No	Total Off-site transfer for treatment Prior to Final Disposal	0 tonnes	0 tonnes	2012	0	
NA - 06	Copper (and its compounds)	No	Total On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2012	0	
NA - 06	Copper (and its compounds)	No	Total Off-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2012	0	
NA - 09	Manganese (and its compounds)	No	Total On-site Disposals	0 tonnes	0 tonnes	2012	0	
NA - 09	Manganese (and its compounds)	No	Total Off-site Disposals	0.041 tonnes	0.0332 tonnes	2012	0.0078	23.49
NA - 09	Manganese (and its compounds)	No	Total Off-site transfer for treatment Prior to Final Disposal	0 tonnes	0 tonnes	2012	0	
NA - 09	Manganese (and its compounds)	No	Total On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2012	0	
NA - 09	Manganese (and its compounds)	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
NA - 04	Chromium (and its compounds)	Other	change in data on percentage of substance in recycled dross
NA - 06	Copper (and its compounds)	No reasons - quantities approximately the same	
NA - 09	Manganese (and its compounds)	No reasons - quantities approximately the same	

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	0.006 tonnes	0.009 tonnes	2012	-0.003	-33.33
NA - 06	Copper (and its compounds)	No	Total off-site Transfers for Recycling	3.377 tonnes	0.032 tonnes	2012	3.345	10453.12
NA - 09	Manganese (and its compounds)	No	Total off-site Transfers for Recycling	1.948 tonnes	0.0223 tonnes	2012	1.9257	8635.43

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 data on percentage of substance in recycled dross
NA - 06	Copper (and its compounds)	Other	change in data on percentage of substance in recycled dross; small change in percentage of substance present results in a large change in the quantity transferred since the recycled material has a large mass
NA - 09	Manganese (and its compounds)	Other	change in data on percentage of substance in recycled dross; small change in percentage of substance present results in a large change in the quantity transferred since the recycled material has a large mass

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
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	none
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	none
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	none
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	none

CAS RN	Substance Name	Objectives
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	none
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	none
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	none
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	none
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	none
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	none
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	none
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	none
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	none
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	none
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	none
NA - 04	Chromium (and its compounds)	none
NA - 06	Copper (and its compounds)	none
118-74-1	Hexachlorobenzene	none
NA - 09	Manganese (and its compounds)	none
39001-02-0	Octachlorodibenzofuran	none
3268-87-9	Octachlorodibenzo-p-dioxin	none
NA - M09	PM10 - Particulate Matter <= 10 Microns	SAPA will continue to explore new technologies with the goal of reducing use of toxic substances. As new technologies become available, SAPA will explore the economic feasibility to determine which options will be implemented.
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	SAPA will continue to explore new technologies with the goal of reducing use of toxic substances. As new technologies become available, SAPA will explore the economic feasibility to determine which options will be implemented.
NA - M08	Total Particulate Matter	SAPA will continue to explore new technologies with the goal of reducing use of toxic substances. As new technologies become available, SAPA will explore the economic feasibility to determine which options will be implemented.

Progress on TRA Plan - Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	No quantity target	No timeline target	
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	No quantity target	No timeline target	
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	No quantity target	No timeline target	
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	No quantity target	No timeline target	
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	No quantity target	No timeline target	
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	No quantity target	No timeline target	
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	No quantity target	No timeline target	
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	No quantity target	No timeline target	
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	No quantity target	No timeline target	
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	No quantity target	No timeline target	
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	No quantity target	No timeline target	
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	No quantity target	No timeline target	
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	No quantity target	No timeline target	
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	No quantity target	No timeline target	
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	No quantity target	No timeline target	
NA - 04	Chromium (and its compounds)	No quantity target	No timeline target	
NA - 06	Copper (and its compounds)	No quantity target	No timeline target	
118-74-1	Hexachlorobenzene	No quantity target	No timeline target	
NA - 09	Manganese (and its compounds)	No quantity target	No timeline target	
39001-02-0	Octachlorodibenzofuran	No quantity target	No timeline target	
3268-87-9	Octachlorodibenzo-p-dioxin	No quantity target	No timeline target	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No quantity target	No timeline target	none

CAS RN	Substance Name	Quantity	Years	Description of Target
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No quantity target	No timeline target	none
NA - M08	Total Particulate Matter	No quantity target	No timeline target	none

Progress on TRA Plan - Description

CAS RN	Substance Name	Quantity	Years	Description of Target
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	No quantity target	No timeline target	
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	No quantity target	No timeline target	
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	No quantity target	No timeline target	
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	No quantity target	No timeline target	
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	No quantity target	No timeline target	
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	No quantity target	No timeline target	
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	No quantity target	No timeline target	
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	No quantity target	No timeline target	
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	No quantity target	No timeline target	
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	No quantity target	No timeline target	
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	No quantity target	No timeline target	
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	No quantity target	No timeline target	
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	No quantity target	No timeline target	
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	No quantity target	No timeline target	
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	No quantity target	No timeline target	
NA - 04	Chromium (and its compounds)	No quantity target	No timeline target	
NA - 06	Copper (and its compounds)	No quantity target	No timeline target	
118-74-1	Hexachlorobenzene	No quantity target	No timeline target	
NA - 09	Manganese (and its compounds)	No quantity target	No timeline target	
39001-02-0	Octachlorodibenzofuran	No quantity target	No timeline target	
3268-87-9	Octachlorodibenzo-p-dioxin	No quantity target	No timeline target	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No quantity target	No timeline target	none
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No quantity target	No timeline target	none
NA - M08	Total Particulate Matter	No quantity target	No timeline target	SAPA will continue to explore new technologies with the goal of reducing use of toxic substances. As new technologies become available, SAPA will explore the economic feasibility to determine which options will be implemented.

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
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	No		
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	No		
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	No		
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	No		

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
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	No		
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	No		
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	No		
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	No		
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	No		
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	No		
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	No		
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	No		
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	No		
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	No		
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	No		
NA - 04	Chromium (and its compounds)	No		
NA - 06	Copper (and its compounds)	No		
118-74-1	Hexachlorobenzene	No		
NA - 09	Manganese (and its compounds)	No		
39001-02-0	Octachlorodibenzofuran	No		
3268-87-9	Octachlorodibenzo-p-dioxin	No		
NA - M09	PM10 - Particulate Matter <= 10 Microns	No		
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No		
NA - M08	Total Particulate Matter	No		

Progress on TRA Plan - Reductions due to additional actions taken

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	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.	
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	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.	
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	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.	
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	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.	
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	The amount of reduction in the substance contained in product 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
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	No		
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	No		
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	No		
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	No		
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	No		
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	No		
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	No		
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	No		
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	No		
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	No		
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	No		
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	No		
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	No		
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	No		
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	No		
NA - 04	Chromium (and its compounds)	No		
NA - 06	Copper (and its compounds)	No		
118-74-1	Hexachlorobenzene	No		
NA - 09	Manganese (and its compounds)	No		
39001-02-0	Octachlorodibenzofuran	No		
3268-87-9	Octachlorodibenzo-p-dioxin	No		
NA - M09	PM10 - Particulate Matter <= 10 Microns	No		
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No		
NA - M08	Total Particulate Matter	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

Sapa Canada Inc.

Certifying Official (or authorized delegate)

Report Submitted by

David Reid

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 11/05/2015, I, David Reid, 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
118-74-1	Hexachlorobenzene
NA - 04	Chromium (and its compounds)
NA - 06	Copper (and its compounds)
NA - 09	Manganese (and its compounds)
NA - D/F	Dioxins and furans - total
NA - M08	Total Particulate Matter
NA - M09	PM10 - Particulate Matter <= 10 Microns
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns

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Company Name

Sapa Canada Inc.

Highest Ranking Employee

David Reid

Report Submitted by

David Reid

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	11/05/2015	Toronto Division	Ontario	Toronto	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: 3.9.0


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