

National Pollutant Release Inventory (NPRI) and



Partners

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Report Preview

Report Details

Report Year	2015
Report Type:	NPRI,ON MOE TRA
Report Status:	Ready to Submit
Modified Date/Time:	29/05/2016 10:36 AM

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 UTM Northing: 4843598

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, Certifying Official, Highest Ranking Employee, Public Contact
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: 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: 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	N/A	0.0280	tonnes
NA - 06	Copper (and its compounds)	0.0140	N/A	N/A	4.3100	tonnes
NA - D/F	Dioxins and furans - total	0.0517	NI	NI	NI	g TEQ(ET)
118-74-1	Hexachlorobenzene	0.0000	N/A	N/A	N/A	grams

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
NA - 09	Manganese (and its compounds)	0.0060	N/A	N/A	3.4960	tonnes
11104-93-1	Nitrogen oxides (expressed as NO2)	21.4100	N/A	N/A	N/A	tonnes
NA - M09	PM10 - Particulate Matter <= 10 Microns	8.3300	N/A	N/A	N/A	tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	5.9300	N/A	N/A	N/A	tonnes
NA - M08	Total Particulate Matter	9.9000	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
11104-93-1	Nitrogen oxides (expressed as NO2)	Yes	Yes		Yes
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 and waste rock for the selected reporting period	Was the substance transferred off-site for recycling
NA - 04	Chromium (and its compounds)	No	No	Yes
NA - 06	Copper (and its compounds)	No	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)	No	No	Yes

General Information about the Substance - Nature of Activities

CAS RN	Substance Name	Manufacture the Substance	Process the Substance	Otherwise Use of the Substance
NA - 04	Chromium (and its compounds)	As a 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	

Substances added to/removed from the report

CAS RN	Substance Name	Added/Removed	Comment
11104-93-1	Nitrogen oxides (expressed as NO2)	Added	Natural gas consumption for 2015 increased due to extremely cold winter and put the facility over the reporting threshold for the first time. In previous years, the facility was slightly under the threshold.

TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained	Quantity	Use ranges for public reporting
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CAS RN	Substance Name	Use, Creation, Contained	Quantity	Use ranges for public reporting
NA - 04	Chromium (and its compounds)	Use	23.695 tonnes	Yes
NA - 04	Chromium (and its compounds)	Creation	0 tonnes	No
NA - 04	Chromium (and its compounds)	Contained	23.663 tonnes	Yes
NA - 06	Copper (and its compounds)	Use	93.568 tonnes	Yes
NA - 06	Copper (and its compounds)	Creation	0 tonnes	No
NA - 06	Copper (and its compounds)	Contained	89.244 tonnes	Yes
NA - D/F	Dioxins and furans - total	Use	0.000 g TEQ(ET)	No
NA - D/F	Dioxins and furans - total	Creation	0.0517 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	74.710 tonnes	Yes
NA - 09	Manganese (and its compounds)	Creation	0 tonnes	No
NA - 09	Manganese (and its compounds)	Contained	71.207 tonnes	Yes
11104-93-1	Nitrogen oxides (expressed as NO2)	Use	0 tonnes	No
11104-93-1	Nitrogen oxides (expressed as NO2)	Creation	21.410 tonnes	Yes
11104-93-1	Nitrogen oxides (expressed as NO2)	Contained		
NA - M09	PM10 - Particulate Matter <= 10 Microns	Use	0 tonnes	No
NA - M09	PM10 - Particulate Matter <= 10 Microns	Creation	8.33 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	5.93 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	9.9 tonnes	Yes
NA - M08	Total Particulate Matter	Contained		

TRA Quantifications - Dioxins and Furans Breakdown List

CAS RN	Substance Name	Use, Creation, Contained	Quantity
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	Creation	0.0063 grams
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Creation	0.0459 grams
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Contained	0 grams
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	Creation	0.0027 grams
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	Creation	0.0045 grams
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	Creation	0.0045 grams
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	Creation	0.0118 grams
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	Creation	0.0117 grams
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	Creation	0.0018 grams
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	Creation	0.0135 grams
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	Creation	0.0054 grams
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	Creation	0.0054 grams
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	Creation	0.0270 grams
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	Creation	0.0018 grams
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	Creation	0.0009 grams
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	Creation	0.0396 grams
39001-02-0	Octachlorodibenzofuran	Use	0 grams
39001-02-0	Octachlorodibenzofuran	Creation	0.0270 grams
3268-87-9	Octachlorodibenzo-p-dioxin	Use	0 grams
3268-87-9	Octachlorodibenzo-p-dioxin	Creation	0.0378 grams

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

Use, Creation, Contained	Quantity
Use	0.000 g TEQ(ET)
Creation	0.0517 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)					No
NA - 06	Copper (and its compounds)					No
NA - D/F	Dioxins and furans - total					No
118-74-1	Hexachlorobenzene					No
NA - 09	Manganese (and its compounds)					No
11104-93-1	Nitrogen oxides (expressed as NO2)					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

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	E1 - Site Specific Emission Factors		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		0.0517 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
11104-93-1	Nitrogen oxides (expressed as NO2)	Stack or Point Releases	E2 - Published Emission Factors		21.410 tonnes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Stack or Point Releases	E1 - Site Specific Emission Factors		8.33 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Stack or Point Releases	E1 - Site Specific Emission Factors		5.93 tonnes
NA - M08	Total Particulate Matter	Stack or Point Releases	E1 - Site Specific Emission Factors		9.9 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	0.0517 g TEQ(ET)
118-74-1	Hexachlorobenzene	0 grams
NA - 09	Manganese (and its compounds)	0.006 tonnes
11104-93-1	Nitrogen oxides (expressed as NO2)	21.410 tonnes
NA - M09	PM10 - Particulate Matter <= 10 Microns	8.33 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	5.93 tonnes
NA - M08	Total Particulate Matter	9.9 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	0.0063 grams
Stack or Point Releases	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.0459 grams
Stack or Point Releases	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.0027 grams
Stack or Point Releases	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	0.0045 grams
Stack or Point Releases	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.0045 grams
Stack or Point Releases	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	0.0118 grams
Stack or Point Releases	57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.0117 grams
Stack or Point Releases	72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	0.0018 grams
Stack or Point Releases	19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.0135 grams
Stack or Point Releases	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	0.0054 grams
Stack or Point Releases	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.0054 grams
Stack or Point Releases	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	0.0270 grams
Stack or Point Releases	57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	0.0018 grams
Stack or Point Releases	51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	0.0009 grams
Stack or Point Releases	1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.0396 grams
Stack or Point Releases	39001-02-0	Octachlorodibenzofuran	0.0270 grams

Category	CAS RN	Substance Name	Quantity
Stack or Point Releases	3268-87-9	Octachlorodibenzo-p-dioxin	0.0378 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	0.0517 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
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
11104-93-1	Nitrogen oxides (expressed as NO2)	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 - 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)
11104-93-1	Nitrogen oxides (expressed as NO2)	Not applicable (first year reporting this substance)	
118-74-1	Hexachlorobenzene	No significant change (i.e. < 10%) or no change	
NA - 04	Chromium (and its compounds)	No significant change (i.e. < 10%) or no change	
NA - 06	Copper (and its compounds)	No significant change (i.e. < 10%) or no change	
NA - 09	Manganese (and its compounds)	No significant change (i.e. < 10%) or no change	
NA - D/F	Dioxins and furans - total	Changes in production levels	
NA - M08	Total Particulate Matter	Changes in production levels	
NA - M09	PM10 - Particulate Matter <= 10 Microns	Changes in production levels	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Changes in production levels	

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)		Other (specify in On-site Releases comment field)	production residues no longer disposed - now recycled
NA - 06	Copper (and its compounds)		No significant change (i.e. < 10%) or no change	
NA - 09	Manganese (and its compounds)		No significant change (i.e. < 10%) or no change	
NA - D/F	Dioxins and furans - total		No significant change (i.e. < 10%) or no change	

Recycling - Off-site Transfers for Recycling

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 04	Chromium (and its compounds)	Recovery of Metals and Metal Compounds	C - Mass Balance		0.028 tonnes
NA - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	C - Mass Balance		4.310 tonnes

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	C - Mass Balance		3.496 tonnes

Recycling - Off-site Transfers for Recycling - Total

CAS RN	Substance Name	Total - Off-site Transfers for Recycling
NA - 04	Chromium (and its compounds)	0.028 tonnes
NA - 06	Copper (and its compounds)	4.310 tonnes
NA - 09	Manganese (and its compounds)	3.496 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	
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 - 04	Chromium (and its compounds)	Recovery of Metals and Metal Compounds	Mapleton Metallurgical Specialties Inc.	545 Glengarry Crescent, Fergus, ON, Canada	0.008 tonnes
NA - 04	Chromium (and its compounds)	Recovery of Metals and Metal Compounds	Sure Horizon Environmental Inc.	40 Advance Blvd., Brampton, ON, Canada	0.009 tonnes
NA - 04	Chromium (and its compounds)	Recovery of Metals and Metal Compounds	Scepter Aluminium Co. - Seneca Operations	Seneca Falls, New York, NY, United States	0.007 tonnes
NA - 04	Chromium (and its compounds)	Recovery of Metals and Metal Compounds	Rochester Aluminum CDA	31-35 Freshway Dr., Concord, ON, Canada	0.004 tonnes
NA - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	Greenway Industries Corp.	35 Freshway Dr., Concord, ON, Canada	
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 - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	Mapleton Metallurgical Specialties Inc.	545 Glengarry Crescent, Fergus, ON, Canada	0.063 tonnes
NA - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	Sure Horizon Environmental Inc.	40 Advance Blvd., Brampton, ON, Canada	0.069 tonnes
NA - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	Scepter Aluminium Co. - Seneca Operations	Seneca Falls, New York, NY, United States	2.660 tonnes
NA - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	Rochester Aluminum CDA	31-35 Freshway Dr., Concord, ON, Canada	1.518 tonnes
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	Greenway Industries Corp.	35 Freshway Dr., Concord, ON, Canada	
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	
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	Mapleton Metallurgical Specialties Inc.	545 Glengarry Crescent, Fergus, ON, Canada	0.011 tonnes
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	Sure Horizon Environmental Inc.	40 Advance Blvd., Brampton, ON, Canada	0.012 tonnes
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	Scepter Aluminium Co. - Seneca Operations	Seneca Falls, New York, NY, United States	2.212 tonnes
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	Rochester Aluminum CDA	31-35 Freshway Dr., Concord, ON, Canada	1.261 tonnes

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

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

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
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	
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
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	Yes	Creation	0.0063 g TEQ(ET)	0.0061 g TEQ(ET)	2014	0.0002	3.28
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Yes	Creation	0.0459 g TEQ(ET)	0.0445 g TEQ(ET)	2014	0.0014	3.15
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Yes	Contained	0 g TEQ(ET)	0 g TEQ(ET)	2014	0	
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	Yes	Creation	0.0027 g TEQ(ET)	0.0026 g TEQ(ET)	2014	0.0001	3.85
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	Yes	Creation	0.0045 g TEQ(ET)	0.0044 g TEQ(ET)	2014	0.0001	2.27
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	Yes	Creation	0.0045 g TEQ(ET)	0.0044 g TEQ(ET)	2014	0.0001	2.27
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	Yes	Creation	0.0118 g TEQ(ET)	0.0113 g TEQ(ET)	2014	0.0005	4.42
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	Yes	Creation	0.0117 g TEQ(ET)	0.0113 g TEQ(ET)	2014	0.0004	3.54
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	Yes	Creation	0.0018 g TEQ(ET)	0.0017 g TEQ(ET)	2014	0.0001	5.88
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	Yes	Creation	0.0135 g TEQ(ET)	0.0131 g TEQ(ET)	2014	0.0004	3.05
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	Yes	Creation	0.0054 g TEQ(ET)	0.0052 g TEQ(ET)	2014	0.0002	3.85
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	Yes	Creation	0.0054 g TEQ(ET)	0.0052 g TEQ(ET)	2014	0.0002	3.85
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	Yes	Creation	0.0270 g TEQ(ET)	0.0262 g TEQ(ET)	2014	0.0008	3.05
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	Yes	Creation	0.0018 g TEQ(ET)	0.0017 g TEQ(ET)	2014	0.0001	5.88
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	Yes	Creation	0.0009 g TEQ(ET)	0.0009 g TEQ(ET)	2014	0.0000	0
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	Yes	Creation	0.0396 g TEQ(ET)	0.0384 g TEQ(ET)	2014	0.0012	3.12
NA - 04	Chromium (and its compounds)	No	Enters the facility (Use)	23.695 tonnes	23.852 tonnes	2014	-0.157	-0.66
NA - 04	Chromium (and its compounds)	No	Creation	0 tonnes	0 tonnes	2014	0	
NA - 04	Chromium (and its compounds)	No	Contained	23.663 tonnes	23.824 tonnes	2014	-0.161	-0.68
NA - 06	Copper (and its compounds)	No	Enters the facility (Use)	93.568 tonnes	104.955 tonnes	2014	-11.387	-10.85
NA - 06	Copper (and its compounds)	No	Creation	0 tonnes	0 tonnes	2014	0	
NA - 06	Copper (and its compounds)	No	Contained	89.244 tonnes	101.172 tonnes	2014	-11.928	-11.79
118-74-1	Hexachlorobenzene	No	Enters the facility (Use)	0 grams	0 grams	2014	0	
118-74-1	Hexachlorobenzene	No	Creation	0 grams	0 grams	2014	0	
118-74-1	Hexachlorobenzene	No	Contained	0 grams	0 grams	2014	0	
NA - 09	Manganese (and its compounds)	No	Enters the facility (Use)	74.710 tonnes	60.356 tonnes	2014	14.354	23.78
NA - 09	Manganese (and its compounds)	No	Creation	0 tonnes	0 tonnes	2014	0	
NA - 09	Manganese (and its compounds)	No	Contained	71.207 tonnes	60.356 tonnes	2014	10.851	17.98
39001-02-0	Octachlorodibenzofuran	Yes	Enters the facility (Use)	0 g TEQ(ET)	0 g TEQ(ET)	2014	0	
39001-02-0	Octachlorodibenzofuran	Yes	Creation	0.0270 g TEQ(ET)	0.0262 g TEQ(ET)	2014	0.0008	3.05
3268-87-9	Octachlorodibenzo-p-dioxin	Yes	Enters the facility (Use)	0 g TEQ(ET)	0 g TEQ(ET)	2014	0	
3268-87-9	Octachlorodibenzo-p-dioxin	Yes	Creation	0.0378 g TEQ(ET)	0.0367 g TEQ(ET)	2014	0.0011	3.00
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Enters the facility (Use)	0 tonnes	0 tonnes	2014	0	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Creation	8.33 tonnes	7.74 tonnes	2014	0.59	7.62
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Enters the facility (Use)	0 tonnes	0 tonnes	2014	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Creation	5.93 tonnes	5.36 tonnes	2014	0.57	10.63
NA - M08	Total Particulate Matter	No	Enters the facility (Use)	0 tonnes	0 tonnes	2014	0	
NA - M08	Total Particulate Matter	No	Creation	9.9 tonnes	9.2 tonnes	2014	0.7	7.61

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 04	Chromium (and its compounds)	No reasons - quantities approximately the same	
NA - 06	Copper (and its compounds)	Other	change in alloy mix of products
NA - D/F	Dioxins and furans - total	Increase in production levels	
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)	Other	change in alloy mix of products
NA - M09	PM10 - Particulate Matter <= 10 Microns	Increase in production levels	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Increase in production levels	
NA - M08	Total Particulate Matter	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
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	Yes	Total Releases to Air	0.0063 g TEQ(ET)	0.0061 g TEQ(ET)	2014	0.0002	3.28
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0459 g TEQ(ET)	0.0445 g TEQ(ET)	2014	0.0014	3.15
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	Yes	Total Releases to Air	0.0027 g TEQ(ET)	0.0026 g TEQ(ET)	2014	0.0001	3.85
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	Yes	Total Releases to Air	0.0045 g TEQ(ET)	0.0044 g TEQ(ET)	2014	0.0001	2.27
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0045 g TEQ(ET)	0.0044 g TEQ(ET)	2014	0.0001	2.27
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	Yes	Total Releases to Air	0.0118 g TEQ(ET)	0.0113 g TEQ(ET)	2014	0.0005	4.42
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0117 g TEQ(ET)	0.0113 g TEQ(ET)	2014	0.0004	3.54
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	Yes	Total Releases to Air	0.0018 g TEQ(ET)	0.0017 g TEQ(ET)	2014	0.0001	5.88
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0135 g TEQ(ET)	0.0131 g TEQ(ET)	2014	0.0004	3.05
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	Yes	Total Releases to Air	0.0054 g TEQ(ET)	0.0052 g TEQ(ET)	2014	0.0002	3.85
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0054 g TEQ(ET)	0.0052 g TEQ(ET)	2014	0.0002	3.85
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	Yes	Total Releases to Air	0.0270 g TEQ(ET)	0.0262 g TEQ(ET)	2014	0.0008	3.05
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	Yes	Total Releases to Air	0.0018 g TEQ(ET)	0.0017 g TEQ(ET)	2014	0.0001	5.88
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	Yes	Total Releases to Air	0.0009 g TEQ(ET)	0.0009 g TEQ(ET)	2014	0.0000	0
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0396 g TEQ(ET)	0.0384 g TEQ(ET)	2014	0.0012	3.12
NA - 04	Chromium (and its compounds)	No	Total Releases to Air	0.004 tonnes	0.004 tonnes	2014	0.000	0
NA - 04	Chromium (and its compounds)	No	Total Releases to Water	0 tonnes	0 tonnes	2014	0	
NA - 04	Chromium (and its compounds)	No	Total Releases to Land	0 tonnes	0 tonnes	2014	0	
NA - 04	Chromium (and its compounds)	No	Total Releases to All Media	0 tonnes	0 tonnes	2013	0	
NA - 06	Copper (and its compounds)	No	Total Releases to Air	0.014 tonnes	0.014 tonnes	2014	0.000	0
NA - 06	Copper (and its compounds)	No	Total Releases to Water	0 tonnes	0 tonnes	2014	0	
NA - 06	Copper (and its compounds)	No	Total Releases to Land	0 tonnes	0 tonnes	2014	0	
NA - 06	Copper (and its compounds)	No	Total Releases to All Media	0 tonnes	0 tonnes	2013	0	
118-74-1	Hexachlorobenzene	No	Total Releases to Air	0 grams	0 grams	2014	0	
118-74-1	Hexachlorobenzene	No	Total Releases to Water	0 grams	0 grams	2014	0	
118-74-1	Hexachlorobenzene	No	Total Releases to Land	0 grams	0 grams	2014	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 All Media	0 grams	0 grams	2013	0	
NA - 09	Manganese (and its compounds)	No	Total Releases to Air	0.006 tonnes	0.006 tonnes	2014	0.000	0
NA - 09	Manganese (and its compounds)	No	Total Releases to Water	0 tonnes	0 tonnes	2014	0	
NA - 09	Manganese (and its compounds)	No	Total Releases to Land	0 tonnes	0 tonnes	2014	0	
NA - 09	Manganese (and its compounds)	No	Total Releases to All Media	0 tonnes	0 tonnes	2013	0	
39001-02-0	Octachlorodibenzofuran	Yes	Total Releases to Air	0.0270 g TEQ(ET)	0.0262 g TEQ(ET)	2014	0.0008	3.05
3268-87-9	Octachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0378 g TEQ(ET)	0.0367 g TEQ(ET)	2014	0.0011	3.00
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Air	8.33 tonnes	7.74 tonnes	2014	0.59	7.62
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Water	0 tonnes	0 tonnes	2014	0	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Land	0 tonnes	0 tonnes	2014	0	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to All Media	0 tonnes	0 tonnes	2013	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Air	5.93 tonnes	5.36 tonnes	2014	0.57	10.63
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Water	0 tonnes	0 tonnes	2014	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Land	0 tonnes	0 tonnes	2014	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to All Media	0 tonnes	0 tonnes	2013	0	
NA - M08	Total Particulate Matter	No	Total Releases to Air	9.9 tonnes	9.2 tonnes	2014	0.7	7.61
NA - M08	Total Particulate Matter	No	Total Releases to Water	0 tonnes	0 tonnes	2014	0	
NA - M08	Total Particulate Matter	No	Total Releases to Land	0 tonnes	0 tonnes	2014	0	
NA - M08	Total Particulate Matter	No	Total Releases to All Media	0 tonnes	0 tonnes	2013	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)	No reasons - quantities approximately the same	
NA - 06	Copper (and its compounds)	No reasons - quantities approximately the same	
NA - D/F	Dioxins and furans - total	Increase in production levels	
118-74-1	Hexachlorobenzene	No reasons - quantities approximately the same	
NA - 09	Manganese (and its compounds)	No reasons - quantities approximately the same	
NA - M09	PM10 - Particulate Matter <= 10 Microns	Increase in production levels	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Increase in production levels	
NA - M08	Total Particulate Matter	Increase in production levels	

Comparison Report - Transfers off-site for Recycling

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 04	Chromium (and its compounds)	No	Total off-site Transfers for Recycling	0.028 tonnes	0.023 tonnes	2014	0.005	21.74
NA - 06	Copper (and its compounds)	No	Total off-site Transfers for Recycling	4.310 tonnes	3.768 tonnes	2014	0.542	14.38
NA - 09	Manganese (and its compounds)	No	Total off-site Transfers for Recycling	3.496 tonnes	2.127 tonnes	2014	1.369	64.36

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)	No reasons - quantities approximately the same Other	minor change in amount of baghouse dust sent for recycling
NA - 06	Copper (and its compounds)	Increase in production levels	
NA - 09	Manganese (and its compounds)	Other	change in alloy mix affects composition of recycled materials

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
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	

CAS RN	Substance Name	Quantity	Years	Description of 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	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

CAS RN	Substance Name	Quantity	Years	Description of Target
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		
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	

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
NA - M08	Total Particulate Matter	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M08	Total Particulate Matter	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
NA - M08	Total Particulate Matter	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M08	Total Particulate Matter	The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M08	Total Particulate Matter	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
NA - M08	Total Particulate Matter	The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - M08	Total Particulate Matter	The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - M08	Total Particulate Matter	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
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		



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