Report Preview

Report Details

Report Year	2017
Report Type:	NPRI,ON MOE TRA
Report Status:	Submitted
Modified Date/Time:	26/05/2018 8:49 PM

Company and Facility Details

Company Name:	Hydro Extrusion 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:	North York Division
NAICS Code:	331317
NPRI ID:	1480
Physical Address:	Address Line 1: 7 Alloy Court City, Province/Territory, Postal Code: Toronto Ontario M9M3A2 Country: Canada Latitude: 43.736 Longitude: -79.532 UTM Zone: 17 UTM Easting: 618251 UTM Northing: 4843585

Parent Companies

Company Name:	Hydro Extrusion Canada, Inc.
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
Name:	David Reid
Position:	Plant Manager
Telephone:	4167431080
Extension	5229

Email:	david.reid@hydro.com
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.
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
Contact Type	Public Contact
Name:	Kate McCallum
Position:	EHS Manager
Telephone:	4167431080
Extension	5274
Email:	kate.mccallum@hydro.com

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 Hexacholorobenzene:	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)	0.0074	N/A	N/A	0.0251	tonnes
NA - 06	Copper (and its compounds)	0.0110	N/A	N/A	3.3880	tonnes
NA - D/F	Dioxins and furans - total	0.0500	N/A	N/A	N/A	g TEQ(ET)
118-74-1	Hexachlorobenzene	0.0000	N/A	N/A	N/A	grams
NA - 09	Manganese (and its compounds)	0.0076	N/A	N/A	3.1390	tonnes
NA - M09	PM10 - Particulate Matter <= 10 Microns	8.2400	N/A	N/A	N/A	tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	5.8400	N/A	N/A	N/A	tonnes
NA - M08	Total Particulate Matter	9.8400	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)	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)	Removed	did not exceed the reporting threshold (exit report submitted last year)

TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity	Use ranges for public reporting
NA - 04	Chromium (and its compounds)	Use	24.799 tonnes	Yes
NA - 04	Chromium (and its compounds)	Creation	0 tonnes	No
NA - 04	Chromium (and its compounds)	Contained in Product	24.766 tonnes	Yes
NA - 06	Copper (and its compounds)	Use	84.942 tonnes	Yes
NA - 06	Copper (and its compounds)	Creation	0 tonnes	No
NA - 06	Copper (and its compounds)	Contained in Product	81.543 tonnes	Yes
NA - D/F	Dioxins and furans - total	Use	0.000 g TEQ(ET)	No
NA - D/F	Dioxins and furans - total	Creation	0.0500 g TEQ(ET)	Yes
NA - D/F	Dioxins and furans - total	Contained in Product	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 in Product	0 grams	Yes
NA - 09	Manganese (and its compounds)	Use	80.90 tonnes	Yes
NA - 09	Manganese (and its compounds)	Creation	0 tonnes	No
NA - 09	Manganese (and its compounds)	Contained in Product	77.753 tonnes	Yes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Use	0 tonnes	No
NA - M09	PM10 - Particulate Matter <= 10 Microns	Creation	8.24 tonnes	Yes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Contained in Product		
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Use	0 tonnes	No
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Creation	5.84 tonnes	Yes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Contained in Product		
NA - M08	Total Particulate Matter	Use	0 tonnes	No
NA - M08	Total Particulate Matter	Creation	9.84 tonnes	Yes
NA - M08	Total Particulate Matter	Contained in Product		

TRA Quantifications - Dioxins and Furans Breakdown List

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	Creation	0.0061 grams
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Creation	0.0445 grams
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Contained in Product	0 grams
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	Creation	0.0026 grams
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	Creation	0.0044 grams
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	Creation	0.0044 grams
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	Creation	0.0113 grams
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	Creation	0.0113 grams
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	Creation	0.0017 grams
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	Creation	0.0131 grams
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	Creation	0.0052 grams
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	Creation	0.0052 grams
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	Creation	0.0262 grams
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	Creation	0.0017 grams
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	Creation	0.0009 grams
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	Creation	0.0384 grams
39001-02-0	Octachlorodibenzofuran	Use	0 grams
39001-02-0	Octachlorodibenzofuran	Creation	0.0262 grams
3268-87-9	Octachlorodibenzo-p-dioxin	Use	0 grams
3268-87-9	Octachlorodibenzo-p-dioxin	Creation	0.0367 grams

TRA Quantifications - Others

CAS RN	Substance Name	Change in Method of Quantification	Reasons for Change	Description of how the change impact tracking and quantification of the substance	Description of how an incident(s) affected quantifications	Significant Process Change
NA - 04	Chromium (and its compounds)					No
NA - 06	Copper (and its compounds)					No
NA - D/F	Dioxins and furans - total					No
118-74-1	Hexachlorobenzene					No

CAS RN	Substance Name	Change in Method of Quantification	Reasons for Change	Description of how the change impact tracking and quantification of the substance	Description of how an incident(s) affected quantifications	Significant Process Change
NA - 09	Manganese (and its compounds)					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		0.0074 tonnes
NA - 06	Copper (and its compounds)	Stack or Point Releases	E1 - Site Specific Emission Factors		0.011 tonnes
NA - D/F	Dioxins and furans - total	Stack or Point Releases	C - Mass Balance		0.0500 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		0.0076 tonnes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Stack or Point Releases	E1 - Site Specific Emission Factors		8.24 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Stack or Point Releases	E1 - Site Specific Emission Factors		5.84 tonnes
NA - M08	Total Particulate Matter	Stack or Point Releases	E1 - Site Specific Emission Factors		9.84 tonnes

On-site Releases - Releases to air - Total

CAS RN	Substance Name	Total - Releases to Air
NA - 04	Chromium (and its compounds)	0.0074 tonnes
NA - 06	Copper (and its compounds)	0.011 tonnes
NA - D/F	Dioxins and furans - total	0.0500 g TEQ(ET)
118-74-1	Hexachlorobenzene	0 grams
NA - 09	Manganese (and its compounds)	0.0076 tonnes
NA - M09	PM10 - Particulate Matter <= 10 Microns	8.24 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	5.84 tonnes
NA - M08	Total Particulate Matter	9.84 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	0.0061 grams
Stack or Point Releases	35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.0445 grams
Stack or Point Releases	55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.0026 grams
Stack or Point Releases	70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	0.0044 grams
Stack or Point Releases	39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.0044 grams
Stack or Point Releases	57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	0.0113 grams
Stack or Point Releases	57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.0113 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	0.0131 grams
Stack or Point Releases	57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	0.0052 grams
Stack or Point Releases	40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.0052 grams
Stack or Point Releases	60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	0.0262 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	0.0383 grams
Stack or Point Releases	39001-02-0	Octachlorodibenzofuran	0.0262 grams
Stack or Point Releases	3268-87-9	Octachlorodibenzo-p-dioxin	0.0367 grams

On-site Releases - Total

CAS RN	Substance Name	Total releases
NA - 04	Chromium (and its compounds)	0.0074 tonnes
NA - 06	Copper (and its compounds)	0.011 tonnes
NA - D/F	Dioxins and furans - total	0.0500 g TEQ(ET)
118-74-1	Hexachlorobenzene	0 grams
NA - 09	Manganese (and its compounds)	0.0076 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
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 from Previous Year	Comments
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	No significant change (i.e. < 10%) or no change	
NA - M08	Total Particulate Matter	No significant change (i.e. < 10%) or no change	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No significant change (i.e. < 10%) or no change	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No significant change (i.e. < 10%) or no change	

Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities from Previous Year	Comments
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		0.0251 tonnes
NA - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	C - Mass Balance		3.388 tonnes
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	C - Mass Balance		3.139 tonnes

Recycling - Off-site Transfers for Recycling - Total

CAS RN	Substance Name	Total - Off-site Transfers for Recycling
NA - 04	Chromium (and its compounds)	0.0251 tonnes
NA - 06	Copper (and its compounds)	3.388 tonnes
NA - 09	Manganese (and its compounds)	3.139 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	

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
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	0.0075 tonnes
NA - 04	Chromium (and its compounds)	Recovery of Metals and Metal Compounds	Sure Horizon Environmental Inc.	40 Advance Blvd., Brampton, ON, Canada	0.0082 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	0.006 tonnes
NA - 04	Chromium (and its compounds)	Recovery of Metals and Metal Compounds	Rochester Aluminum CDA	31-35 Freshway Dr., Concord, ON, Canada	0.0034 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	0.060 tonnes
NA - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	Sure Horizon Environmental Inc.	40 Advance Blvd., Brampton, ON, Canada	0.066 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	2.077 tonnes
NA - 06	Copper (and its compounds)	Recovery of Metals and Metal Compounds	Rochester Aluminum CDA	31-35 Freshway Dr., Concord, ON, Canada	1.185 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	1.985 tonnes
NA - 09	Manganese (and its compounds)	Recovery of Metals and Metal Compounds	Rochester Aluminum CDA	31-35 Freshway Dr., Concord, ON, Canada	1.131 tonnes

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	No significant change (i.e. < 10%) or no change	
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	0.0061 g TEQ(ET)	0.0061 g TEQ(ET)	2016	0.0000	0
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Yes	Creation	0.0445 g TEQ(ET)	0.0445 g TEQ(ET)	2016	0.0000	0
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Yes	Contained in Product	0 g TEQ(ET)	0 g TEQ(ET)	2016	0	
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	Yes	Creation	0.0026 g TEQ(ET)	0.0026 g TEQ(ET)	2016	0.0000	0
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	Yes	Creation	0.0044 g TEQ(ET)	0.0044 g TEQ(ET)	2016	0.0000	0
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	Yes	Creation	0.0044 g TEQ(ET)	0.0044 g TEQ(ET)	2016	0.0000	0
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	Yes	Creation	0.0113 g TEQ(ET)	0.0113 g TEQ(ET)	2016	0.0000	0
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	Yes	Creation	0.0113 g TEQ(ET)	0.0113 g TEQ(ET)	2016	0.0000	0
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	Yes	Creation	0.0017 g TEQ(ET)	0.0017 g TEQ(ET)	2016	0.0000	0

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	Yes	Creation	0.0131 g TEQ(ET)	0.0131 g TEQ(ET)	2016	0.0000	0
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	Yes	Creation	0.0052 g TEQ(ET)	0.0052 g TEQ(ET)	2016	0.0000	0
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	Yes	Creation	0.0052 g TEQ(ET)	0.0052 g TEQ(ET)	2016	0.0000	0
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	Yes	Creation	0.0262 g TEQ(ET)	0.0262 g TEQ(ET)	2016	0.0000	0
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	Yes	Creation	0.0017 g TEQ(ET)	0.0017 g TEQ(ET)	2016	0.0000	0
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	Yes	Creation	0.0009 g TEQ(ET)	0.0009 g TEQ(ET)	2016	0.0000	0
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	Yes	Creation	0.0384 g TEQ(ET)	0.0384 g TEQ(ET)	2016	0.0000	0
NA - 04	Chromium (and its compounds)	No	Enters the facility (Use)	24.799 tonnes	22.268 tonnes	2016	2.531	11.37
NA - 04	Chromium (and its compounds)	No	Creation	0 tonnes	0 tonnes	2016	0	
NA - 04	Chromium (and its compounds)	No	Contained in Product	24.766 tonnes	22.242 tonnes	2016	2.524	11.35
NA - 06	Copper (and its compounds)	No	Enters the facility (Use)	84.942 tonnes	85.674 tonnes	2016	-0.732	-0.85
NA - 06	Copper (and its compounds)	No	Creation	0 tonnes	0 tonnes	2016	0	
NA - 06	Copper (and its compounds)	No	Contained in Product	81.543 tonnes	82.546 tonnes	2016	-1.003	-1.22
118-74-1	Hexachlorobenzene	No	Enters the facility (Use)	0 grams	0 grams	2016	0	
118-74-1	Hexachlorobenzene	No	Creation	0 grams	0 grams	2016	0	
118-74-1	Hexachlorobenzene	No	Contained in Product	0 grams	0 grams	2016	0	
NA - 09	Manganese (and its compounds)	No	Enters the facility (Use)	80.90 tonnes	71.203 tonnes	2016	9.697	13.62
NA - 09	Manganese (and its compounds)	No	Creation	0 tonnes	0 tonnes	2016	0	
NA - 09	Manganese (and its compounds)	No	Contained in Product	77.753 tonnes	68.731 tonnes	2016	9.022	13.13
39001-02-0	Octachlorodibenzofuran	Yes	Enters the facility (Use)	0 g TEQ(ET)	0 g TEQ(ET)	2016	0	
39001-02-0	Octachlorodibenzofuran	Yes	Creation	0.0262 g TEQ(ET)	0.0262 g TEQ(ET)	2016	0.0000	0
3268-87-9	Octachlorodibenzo-p-dioxin	Yes	Enters the facility (Use)	0 g TEQ(ET)	0 g TEQ(ET)	2016	0	
3268-87-9	Octachlorodibenzo-p-dioxin	Yes	Creation	0.0367 g TEQ(ET)	0.0366 g TEQ(ET)	2016	0.0001	0.27
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Enters the facility (Use)	0 tonnes	0 tonnes	2016	0	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Creation	8.24 tonnes	8.14 tonnes	2016	0.10	1.23
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Enters the facility (Use)	0 tonnes	0 tonnes	2016	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Creation	5.84 tonnes	5.74 tonnes	2016	0.10	1.74
NA - M08	Total Particulate Matter	No	Enters the facility (Use)	0 tonnes	0 tonnes	2016	0	
NA - M08	Total Particulate Matter	No	Creation	9.84 tonnes	9.74 tonnes	2016	0.10	1.03

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)	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	No reasons - quantities approximately the same	
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)	Increase in production levels	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No reasons - quantities approximately the same	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No reasons - quantities approximately the same	

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - M08	Total Particulate Matter	No reasons - quantities approximately the same	

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	0.0061 g TEQ(ET)	0.0063 g TEQ(ET)	2016	-0.0002	-3.17
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0445 g TEQ(ET)	0.0459 g TEQ(ET)	2016	-0.0014	-3.05
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	Yes	Total Releases to Air	0.0026 g TEQ(ET)	0.0027 g TEQ(ET)	2016	-0.0001	-3.70
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	Yes	Total Releases to Air	0.0044 g TEQ(ET)	0.0045 g TEQ(ET)	2016	-0.0001	-2.22
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0044 g TEQ(ET)	0.0045 g TEQ(ET)	2016	-0.0001	-2.22
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	Yes	Total Releases to Air	0.0113 g TEQ(ET)	0.0118 g TEQ(ET)	2016	-0.0005	-4.24
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0113 g TEQ(ET)	0.0117 g TEQ(ET)	2016	-0.0004	-3.42
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	Yes	Total Releases to Air	0.0018 g TEQ(ET)	0.0018 g TEQ(ET)	2016	0.0000	0
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0131 g TEQ(ET)	0.0135 g TEQ(ET)	2016	-0.0004	-2.96
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	Yes	Total Releases to Air	0.0052 g TEQ(ET)	0.0054 g TEQ(ET)	2016	-0.0002	-3.70
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0052 g TEQ(ET)	0.0054 g TEQ(ET)	2016	-0.0002	-3.70
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	Yes	Total Releases to Air	0.0262 g TEQ(ET)	0.0270 g TEQ(ET)	2016	-0.0008	-2.96
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	Yes	Total Releases to Air	0.0018 g TEQ(ET)	0.0018 g TEQ(ET)	2016	0.0000	0
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	Yes	Total Releases to Air	0.0009 g TEQ(ET)	0.0009 g TEQ(ET)	2016	0.0000	0
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0383 g TEQ(ET)	0.0396 g TEQ(ET)	2016	-0.0013	-3.28
NA - 04	Chromium (and its compounds)	No	Total Releases to Air	0.0074 tonnes	0.0074 tonnes	2016	0.0000	0
NA - 04	Chromium (and its compounds)	No	Total Releases to Water	0 tonnes	0 tonnes	2016	0	
NA - 04	Chromium (and its compounds)	No	Total Releases to Land	0 tonnes	0 tonnes	2016	0	
NA - 04	Chromium (and its compounds)	No	Total Releases to All Media	0 tonnes	0 tonnes	2016	0	
NA - 06	Copper (and its compounds)	No	Total Releases to Air	0.011 tonnes	0.011 tonnes	2016	0.000	0
NA - 06	Copper (and its compounds)	No	Total Releases to Water	0 tonnes	0 tonnes	2016	0	
NA - 06	Copper (and its compounds)	No	Total Releases to Land	0 tonnes	0 tonnes	2016	0	
NA - 06	Copper (and its compounds)	No	Total Releases to All Media	0 tonnes	0 tonnes	2016	0	
118-74-1	Hexachlorobenzene	No	Total Releases to Air	0 grams	0 grams	2016	0	
118-74-1	Hexachlorobenzene	No	Total Releases to Water	0 grams	0 grams	2016	0	
118-74-1	Hexachlorobenzene	No	Total Releases to Land	0 grams	0 grams	2016	0	
118-74-1	Hexachlorobenzene	No	Total Releases to All Media	0 grams	0 grams	2016	0	
NA - 09	Manganese (and its compounds)	No	Total Releases to Air	0.0076 tonnes	0.0076 tonnes	2016	0.0000	0
NA - 09	Manganese (and its compounds)	No	Total Releases to Water	0 tonnes	0 tonnes	2016	0	
NA - 09	Manganese (and its compounds)	No	Total Releases to Land	0 tonnes	0 tonnes	2016	0	
NA - 09	Manganese (and its compounds)	No	Total Releases to All Media	0 tonnes	0 tonnes	2016	0	
39001-02-0	Octachlorodibenzofuran	Yes	Total Releases to Air	0.0262 g TEQ(ET)	0.0270 g TEQ(ET)	2016	-0.0008	-2.96
3268-87-9	Octachlorodibenzo-p-dioxin	Yes	Total Releases to Air	0.0367 g TEQ(ET)	0.0378 g TEQ(ET)	2016	-0.0011	-2.91
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Air	8.24 tonnes	8.14 tonnes	2016	0.10	1.23

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Water	0 tonnes	0 tonnes	2016	0	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Land	0 tonnes	0 tonnes	2016	0	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to All Media	0 tonnes	0 tonnes	2016	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Air	5.84 tonnes	5.74 tonnes	2016	0.10	1.74
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Water	0 tonnes	0 tonnes	2016	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Land	0 tonnes	0 tonnes	2016	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to All Media	0 tonnes	0 tonnes	2016	0	
NA - M08	Total Particulate Matter	No	Total Releases to Air	9.84 tonnes	9.74 tonnes	2016	0.10	1.03
NA - M08	Total Particulate Matter	No	Total Releases to Water	0 tonnes	0 tonnes	2016	0	
NA - M08	Total Particulate Matter	No	Total Releases to Land	0 tonnes	0 tonnes	2016	0	
NA - M08	Total Particulate Matter	No	Total Releases to All Media	0 tonnes	0 tonnes	2016	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	No reasons - quantities approximately the same	
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	No reasons - quantities approximately the same	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No reasons - quantities approximately the same	
NA - M08	Total Particulate Matter	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	0.0251 tonnes	0.023 tonnes	2016	0.0021	9.13
NA - 06	Copper (and its compounds)	No	Total off-site Transfers for Recycling	3.388 tonnes	3.117 tonnes	2016	0.271	8.69
NA - 09	Manganese (and its compounds)	No	Total off-site Transfers for Recycling	3.139 tonnes	2.468 tonnes	2016	0.671	27.19

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

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

CAS RN	Substance Name	Objectives
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 - Use 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	

CAS RN	Substance Name	Quantity	Years	Description of 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 - Creation 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
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		

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
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 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.	

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
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.	
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	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.	
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	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.	
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.	
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	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.	
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	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.	
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	The amount of reduction in **use** of the substance at the facility during the reporting period that resulted due to the additional actions.	
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	The amount of reduction in **creation** of the substance at the facility during the reporting period that resulted due to the additional actions.	
55673-89-7	1,2,3,4,7,8,9-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.	
55673-89-7	1,2,3,4,7,8,9-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.	
55673-89-7	1,2,3,4,7,8,9-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.	
55673-89-7	1,2,3,4,7,8,9-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.	
55673-89-7	1,2,3,4,7,8,9-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.	
55673-89-7	1,2,3,4,7,8,9-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.	
55673-89-7	1,2,3,4,7,8,9-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.	
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	The amount of reduction in **use** of the substance at the facility during the reporting period that resulted due to the additional actions.	
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	The amount of reduction in **creation** of the substance at the facility during the reporting period that resulted due to the additional actions.	
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	The amount of reduction in the substance **contained in product** at the facility during the reporting period that resulted due to the additional actions.	
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	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.	
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	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.	
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.	
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	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.	
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	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.	
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-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.	
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-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.	
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-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.	
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	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.	
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	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.	
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.	
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	The amount of reduction in the substance **disposed on-site** (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	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.	
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	The amount of reduction in **use** of the substance at the facility during the reporting period that resulted due to the additional actions.	
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	The amount of reduction in **creation** of the substance at the facility during the reporting period that resulted due to the additional actions.	
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	The amount of reduction in the substance **contained in product** at the facility during the reporting period that resulted due to the additional actions.	
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	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.	
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	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.	
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.	
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	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.	
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	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.	
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-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.	
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-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.	
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-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.	
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	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.	
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	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.	
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.	
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	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.	
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	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.	
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	The amount of reduction in **use** of the substance at the facility during the reporting period that resulted due to the additional actions.	
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	The amount of reduction in **creation** of the substance at the facility during the reporting period that resulted due to the additional actions.	
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	The amount of reduction in the substance **contained in product** at the facility during the reporting period that resulted due to the additional actions.	
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	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.	
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	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.	
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.	
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	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.	
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	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.	
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-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.	
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-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.	
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-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.	

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	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.	
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	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.	
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.	
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	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.	
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	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.	
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	The amount of reduction in **use** of the substance at the facility during the reporting period that resulted due to the additional actions.	
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	The amount of reduction in **creation** of the substance at the facility during the reporting period that resulted due to the additional actions.	
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	The amount of reduction in the substance **contained in product** at the facility during the reporting period that resulted due to the additional actions.	
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	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.	
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	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.	
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.	
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	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.	
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	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.	
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-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.	
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-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.	
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-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.	
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	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.	
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	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.	
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.	
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	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.	
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	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.	
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	The amount of reduction in **use** of the substance at the facility during the reporting period that resulted due to the additional actions.	
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	The amount of reduction in **creation** of the substance at the facility during the reporting period that resulted due to the additional actions.	
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	The amount of reduction in the substance **contained in product** at the facility during the reporting period that resulted due to the additional actions.	
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	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.	
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	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.	
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.	
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	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.	
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	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.	

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	The amount of reduction in **use** of the substance at the facility during the reporting period that resulted due to the additional actions.	
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	The amount of reduction in **creation** of the substance at the facility during the reporting period that resulted due to the additional actions.	
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	The amount of reduction in the substance **contained in product** at the facility during the reporting period that resulted due to the additional actions.	
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	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.	
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	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.	
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.	
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	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.	
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	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.	
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	The amount of reduction in **use** of the substance at the facility during the reporting period that resulted due to the additional actions.	
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	The amount of reduction in **creation** of the substance at the facility during the reporting period that resulted due to the additional actions.	
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	The amount of reduction in the substance **contained in product** at the facility during the reporting period that resulted due to the additional actions.	
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	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.	
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	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.	
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.	
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	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.	
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	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.	
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
1746-01-6	2,3,7,8-Tetrachlorodibenzo-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.	
1746-01-6	2,3,7,8-Tetrachlorodibenzo-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.	
1746-01-6	2,3,7,8-Tetrachlorodibenzo-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.	
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	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.	
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	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.	
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.	
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	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.	
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	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.	
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
NA - 04	Chromium (and its compounds)	The amount of reduction in **use** of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 04	Chromium (and its compounds)	The amount of reduction in **creation** of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 04	Chromium (and its compounds)	The amount of reduction in the substance **contained in product** at the facility during the reporting period that resulted due to the additional actions.	
NA - 04	Chromium (and its compounds)	The amount of reduction in **release to air** of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 04	Chromium (and its compounds)	The amount of reduction in **release to water** of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 04	Chromium (and its compounds)	The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.	

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
NA - 04	Chromium (and its compounds)	The amount of reduction in the substance **disposed on-site** (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - 04	Chromium (and its compounds)	The amount of reduction in the substance **disposed off-site** (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - 04	Chromium (and its compounds)	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in **use** of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in **creation** of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in the substance **contained in product** at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in **release to air** of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in **release to water** of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in the substance **disposed on-site** (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in the substance **disposed off-site** (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - 06	Copper (and its compounds)	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
118-74-1	Hexachlorobenzene	The amount of reduction in **use** of the substance at the facility during the reporting period that resulted due to the additional actions.	
118-74-1	Hexachlorobenzene	The amount of reduction in **creation** of the substance at the facility during the reporting period that resulted due to the additional actions.	
118-74-1	Hexachlorobenzene	The amount of reduction in the substance **contained in product** at the facility during the reporting period that resulted due to the additional actions.	
118-74-1	Hexachlorobenzene	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.	
118-74-1	Hexachlorobenzene	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.	
118-74-1	Hexachlorobenzene	The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.	
118-74-1	Hexachlorobenzene	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.	
118-74-1	Hexachlorobenzene	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.	
118-74-1	Hexachlorobenzene	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
NA - 09	Manganese (and its compounds)	The amount of reduction in **use** of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 09	Manganese (and its compounds)	The amount of reduction in **creation** of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 09	Manganese (and its compounds)	The amount of reduction in the substance **contained in product** at the facility during the reporting period that resulted due to the additional actions.	
NA - 09	Manganese (and its compounds)	The amount of reduction in **release to air** of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 09	Manganese (and its compounds)	The amount of reduction in **release to water** of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - 09	Manganese (and its compounds)	The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.	
NA - 09	Manganese (and its compounds)	The amount of reduction in the substance **disposed on-site** (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - 09	Manganese (and its compounds)	The amount of reduction in the substance **disposed off-site** (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - 09	Manganese (and its compounds)	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
39001-02-0	Octachlorodibenzofuran	The amount of reduction in **use** of the substance at the facility during the reporting period that resulted due to the additional actions.	
39001-02-0	Octachlorodibenzofuran	The amount of reduction in **creation** of the substance at the facility during the reporting period that resulted due to the additional actions.	
39001-02-0	Octachlorodibenzofuran	The amount of reduction in the substance **contained in product** at the facility during the reporting period that resulted due to the additional actions.	
39001-02-0	Octachlorodibenzofuran	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.	
39001-02-0	Octachlorodibenzofuran	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.	
39001-02-0	Octachlorodibenzofuran	The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.	
39001-02-0	Octachlorodibenzofuran	The amount of reduction in the substance **disposed on-site** (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
39001-02-0	Octachlorodibenzofuran	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.	
39001-02-0	Octachlorodibenzofuran	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
3268-87-9	Octachlorodibenzo-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.	
3268-87-9	Octachlorodibenzo-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.	
3268-87-9	Octachlorodibenzo-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.	
3268-87-9	Octachlorodibenzo-p-dioxin	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.	
3268-87-9	Octachlorodibenzo-p-dioxin	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.	
3268-87-9	Octachlorodibenzo-p-dioxin	The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.	
3268-87-9	Octachlorodibenzo-p-dioxin	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.	
3268-87-9	Octachlorodibenzo-p-dioxin	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.	
3268-87-9	Octachlorodibenzo-p-dioxin	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in **use** of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in **creation** of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	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 - M09	PM10 - Particulate Matter <= 10 Microns	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 - M09	PM10 - Particulate Matter <= 10 Microns	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 - M09	PM10 - Particulate Matter <= 10 Microns	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 - M09	PM10 - Particulate Matter <= 10 Microns	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 - M09	PM10 - Particulate Matter <= 10 Microns	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 - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	The amount of reduction in **use** of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	The amount of reduction in **creation** of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	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 - M10	PM2.5 - Particulate Matter <= 2.5 Microns	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 - M10	PM2.5 - Particulate Matter <= 2.5 Microns	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 - M10	PM2.5 - Particulate Matter <= 2.5 Microns	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 - M10	PM2.5 - Particulate Matter <= 2.5 Microns	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 - M10	PM2.5 - Particulate Matter <= 2.5 Microns	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 - M10	PM2.5 - Particulate Matter <= 2.5 Microns	The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.	
NA - M08	Total Particulate Matter	The amount of reduction in **use** 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 **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.	

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
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		

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

Hydro Extrusion Canada, Inc.

Certifying Official (or authorized delegate)

David Reid

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 26/05/2018, 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
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran
40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin
NA - 04	Chromium (and its compounds)
NA - 06	Copper (and its compounds)
118-74-1	Hexachlorobenzene
NA - 09	Manganese (and its compounds)
39001-02-0	Octachlorodibenzofuran
3268-87-9	Octachlorodibenzo-p-dioxin
NA - M09	PM10 - Particulate Matter <= 10 Microns
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns
NA - M08	Total Particulate Matter

Company Name

Hydro Extrusion 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
2017	26/05/2018	North York 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: 3.14.0