Plan Summary Preview

Company Details

Company Legal Name:

Sapa Canada Inc.

Company Address:

Report Details

Facility:

Toronto Division

Facility Address:

7 Alloy Court, Toronto (Ontario)

Update Comments:

Activities

Facility Contacts

Facility Contacts

Public Contact:*

Michael Zorayan

Highest Ranking Employee:

Yong Lee

Person responsible for preparing the toxic substance reduction plan:

Michael Zorayan

Organization Validation

Company and Parent Company Information

Company Details

Company Legal Name:* Sapa Canada Inc.

Company Trade Name:* Sapa Canada Inc

Business Number:*	857314058

Mailing Address

Delivery Mode:	General Delivery
PO Box	
Rural Route Number	
Address Line 1	7 Alloy Court
City*	Toronto
Province/Territory**	Ontario
Postal Code:**	M9M3A2

Physical Address

Address Line 1	7 alloy Court
City	Toronto
Province/Territory	Ontario
Postal Code	M9M3A2
Additional Information	
Land Survey Description	
National Topographical Description	

Parent Companies

Sapa AB

Company Legal Name:*	Sapa AB
Percentage owned:*	100.00
Business Number:*	n/a

Mailing Address

Delivery Mode:	Suburban Services

PO Box	
Rural Route Number	
Address Line 1	400 Rouser Rd Suite 300
City*	Moon Township
Province/Territory**	Pennsylvania
Postal Code:**	15108

Physical Address

Address Line 1	Suite 300 - 400 Rouser Road
City	Moon Township
Province/Territory	Pennsylvania
Postal Code	15108
Additional Information	
Land Survey Description	
National Topographical Description	

Facility Validation

Facility Information

Facility:*	Toronto Division
NAICS Id:*	331529
NPRI Id:*	0000001480
ON Reg 127/01 Id:	

Mailing Address

Delivery Mode:	Suburban Services
PO Box	
Rural Route Number	

Address Line 1	7 Alloy Court
City*	Toronto
Province/Territory**	Ontario
Postal Code:**	M9M3A2

Physical Address

Address Line 1	7 Alloy Court
City	Toronto
Province/Territory	Ontario
Postal Code	M9M3A2
Additional Information	
Land Survey Description	
National Topographical Description	

Geographical Address

Latitude	43.73600
Longitude	-79.53200
UTM Zone**	17
UTM Easting**	618251
UTM Northing**	4843586

Contact Validation

Contacts

Public Contact:

First Name:*	Michael
Last Name:*	Zorayan

Position:*	Environmental, Health & Safety Manager
Telephone:*	4165744933
Ext:	
Fax:	4167431057
Email:*	michael.zorayan@sapagroup.com

Mailing Address

Delivery Mode:	General Delivery
PO Box	
Rural Route Number	
Address Line 1	7 Alloy Court
City*	North York
Province/Territory**	Ontario
Postal Code:**	M9M 3A2

Highest Ranking Employee:

First Name:*	John
Last Name:*	Ellertson
Position:*	Plant Manager
Telephone:*	4167431080
Ext:	229
Fax:	4167431057
Email:*	wade.ellertson@sapagroup.com

Mailing Address

Delivery Mode:	General Delivery

PO Box	
Rural Route Number	
Address Line 1	7 Alloy Court
City*	North York
Province/Territory**	Ontario
Postal Code:**	m9m3a2

Person responsible for the Toxic Substance Reduction Plan preparation:

First Name:*	Michael
Last Name:*	Zorayan
Position:*	Environmental, Health & Safety Manager
Telephone:*	4165744933
Ext:	
Fax:	4167431057
Email:*	michael.zorayan@sapagroup.com

Mailing Address

Delivery Mode:	General Delivery
PO Box	
Rural Route Number	
Address Line 1	7 Alloy Court
City*	North York
Province/Territory**	Ontario
Postal Code:**	M9M 3A2

Employees

Employees

Number of Full-time Employees:*

53

Substances

1746-01-6, 2,3,7,8-Tetrachlorodibenzo-p-dioxin

1746-01-6, 2,3,7,8-Tetrachlorodibenzo-p-dioxin

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

not used at the facility

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

there are no technically feasible option s

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

This substance is not used at the facility

Summarize why this substance is used at the facility:**

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

As a by-product

Summarize why this substance is created at the facility:**

as a combustion byproduct during the melting of contaminated aluminum for recycling

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If ‘No’, record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).If ‘Yes’, explain why no option will be implemented:**

no technically feasible option

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

The gases from the scrap furnace are sent to an incinerator for destruction of the dioxins and furans. The gas stream from the incinerator is subject to lime injection which reacts with the dioxins and furans, neutralising and destroying them. The lime is collected in a baghouse in which the bags are also coated with lime.

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

19408-74-3, 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin

19408-74-3, 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

no technically feasible options

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

no technically feasible options

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target or years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

	Quantity	Unit
☒ No target or		

Timeframe target:*

☒ No target or years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

This substance is not used at the facility

Summarize why this substance is used at the facility:**

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

As a by-product

Summarize why this substance is created at the facility:**

as a combustion byproduct in the melting of contaminated aluminum for recycling

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

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no technically feasible options

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

The gases from the scrap furnace are sent to an incinerator for destruction of the dioxins and furans. The gas stream from the incinerator is subject to lime injection which reacts with the dioxins and furans, neutralising and destroying them. The lime is collected in a baghouse in which the bags are also coated with lime.

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

3268-87-9, Octachlorodibenzo-p-dioxin

3268-87-9, Octachlorodibenzo-p-dioxin

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

not used

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

no technically feasible options

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

This substance is not used at the facility

Summarize why this substance is used at the facility:**

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

As a by-product

Summarize why this substance is created at the facility:**

as a combustion byproduct in the melting of contaminated aluminum for recycling

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If ‘No’, record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).If ‘Yes’, explain why no option will be implemented:**

no technically feasible options

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

The gases from the scrap furnace are sent to an incinerator for destruction of the dioxins and furans. The gas stream from the incinerator is subject to lime injection which reacts with the dioxins and furans, neutralising and destroying them. The lime is collected in a baghouse in which the bags are also coated with lime.

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

35822-46-9, 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin

35822-46-9, 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

not used

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

no technically feasible options

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

	Quantity	Unit

☒ No target or

Timeframe target:*

☒ No target or years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

This substance is not used at the facility

Summarize why this substance is used at the facility:**

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

As a by-product

Summarize why this substance is created at the facility:**

as a combustion byproduct in the melting of contaminated aluminum for recycling

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If ‘No’, record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).If ‘Yes’, explain why no option will be implemented:**

no technically feasible options

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

The gases from the scrap furnace are sent to an incinerator for destruction of the dioxins and furans. The gas stream from the incinerator is subject to lime injection which reacts with the dioxins and furans, neutralising and destroying them. The lime is collected in a baghouse in which the bags are also coated with lime.

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

39001-02-0, Octachlorodibenzofuran

39001-02-0, Octachlorodibenzofuran

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

not used

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

no technically feasible options

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target or years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

This substance is not used at the facility

Summarize why this substance is used at the facility:**

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

As a by-product

Summarize why this substance is created at the facility:**

as a combustion byproduct in the melting of contaminated aluminum for recycling

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If ‘No’, record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).If ‘Yes’, explain why no option will be implemented:**

no technically feasible options

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

The gases from the scrap furnace are sent to an incinerator for destruction of the dioxins and furans. The gas stream from the incinerator is subject to lime injection which reacts with the dioxins and furans, neutralising and destroying them. The lime is collected in a baghouse in which the bags are also coated with lime.

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

39227-28-6, 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin

39227-28-6, 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

not used

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

no technically feasible options

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

This substance is not used at the facility

Summarize why this substance is used at the facility:**

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

As a by-product

Summarize why this substance is created at the facility:**

as a byproduct in the melting of contaminated aluminum for recycling

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If ‘No’, record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).If ‘Yes’, explain why no option will be implemented:**

no technically feasible options

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

The gases from the scrap furnace are sent to an incinerator for destruction of the dioxins and furans. The gas stream from the incinerator is subject to lime injection which reacts with the dioxins and furans, neutralising and destroying them. The lime is collected in a baghouse in which the bags are also coated with lime.

License number of the toxic substance reduction planner who made the recommendations for this

substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

40321-76-4, 1,2,3,7,8-Pentachlorodibenzo-p-dioxin

40321-76-4, 1,2,3,7,8-Pentachlorodibenzo-p-dioxin

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

not used

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

no technically feasible options

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

This substance is not used at the facility

Summarize why this substance is used at the facility:**

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

As a by-product

Summarize why this substance is created at the facility:**

as a byproduct of melting contaminated aluminum for recycling

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If ‘No’, record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).If ‘Yes’, explain why no option will be implemented:**

no technically feasible options

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

The gases from the scrap furnace are sent to an incinerator for destruction of the dioxins and furans. The gas stream from the incinerator is subject to lime injection which reacts with the dioxins and furans, neutralising and destroying them. The lime is collected in a baghouse in which the bags are also coated with lime.

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

51207-31-9, 2,3,7,8-Tetrachlorodibenzofuran

51207-31-9, 2,3,7,8-Tetrachlorodibenzofuran

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

not used

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

no technically feasible options

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target or years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

	Quantity	Unit
☒ No target or		

Timeframe target:*

☒ No target or years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

This substance is not used at the facility

Summarize why this substance is used at the facility:**

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

As a by-product

Summarize why this substance is created at the facility:**

as a byproduct of melting contaminated aluminum for recycling

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If ‘No’, record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).If ‘Yes’, explain why no option will be implemented:**

no technically feasible options

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

The gases from the scrap furnace are sent to an incinerator for destruction of the dioxins and furans. The gas stream from the incinerator is subject to lime injection which reacts with the dioxins and furans, neutralising and destroying them. The lime is collected in a baghouse in which the bags are also coated with lime.

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

55673-89-7, 1,2,3,4,7,8,9-Heptachlorodibenzofuran

55673-89-7, 1,2,3,4,7,8,9-Heptachlorodibenzofuran

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

not used

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

no technically feasible options

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

This substance is not used at the facility

Summarize why this substance is used at the facility:**

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

As a by-product

Summarize why this substance is created at the facility:**

as a byproduct of the melting of contaminated aluminum for recycling

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If ‘No’, record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).If ‘Yes’, explain why no option will be implemented:**

no technically feasible options

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

The gases from the scrap furnace are sent to an incinerator for destruction of the dioxins and furans. The gas stream from the incinerator is subject to lime injection which reacts with the dioxins and furans, neutralising and destroying them. The lime is collected in a baghouse in which the bags are also coated with lime.

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

57117-31-4, 2,3,4,7,8-Pentachlorodibenzofuran

57117-31-4, 2,3,4,7,8-Pentachlorodibenzofuran

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

not used

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

no technically feasible options

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

	Quantity	Unit

☒ No target or

Timeframe target:*

☒ No target or years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

This substance is not used at the facility

Summarize why this substance is used at the facility:**

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

As a by-product

Summarize why this substance is created at the facility:**

as a byproduct of melting contaminated aluminum for recycling

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If ‘No’, record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).If ‘Yes’, explain why no option will be implemented:**

no technically feasible options

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

The gases from the scrap furnace are sent to an incinerator for destruction of the dioxins and furans. The gas stream from the incinerator is subject to lime injection which reacts with the dioxins and furans, neutralising and destroying them. The lime is collected in a baghouse in which the bags are also coated with lime.

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

57117-41-6, 1,2,3,7,8-Pentachlorodibenzofuran

57117-41-6, 1,2,3,7,8-Pentachlorodibenzofuran

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

not used

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

no technically feasible options

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target or years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

This substance is not used at the facility

Summarize why this substance is used at the facility:**

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

As a by-product

Summarize why this substance is created at the facility:**

as a byproduct in the melting of contaminated aluminum for recycling

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If ‘No’, record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).If ‘Yes’, explain why no option will be implemented:**

no technically feasible options

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

The gases from the scrap furnace are sent to an incinerator for destruction of the dioxins and furans. The gas stream from the incinerator is subject to lime injection which reacts with the dioxins and furans, neutralising and destroying them. The lime is collected in a baghouse in which the bags are also coated with lime.

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

57117-44-9, 1,2,3,6,7,8-Hexachlorodibenzofuran

57117-44-9, 1,2,3,6,7,8-Hexachlorodibenzofuran

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

not used

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

no technically feasible option

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

This substance is not used at the facility

Summarize why this substance is used at the facility:**

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

As a by-product

Summarize why this substance is created at the facility:**

as a byproduct of the melting of contaminated aluminum for recycling

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If ‘No’, record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).If ‘Yes’, explain why no option will be implemented:**

no technically feasible options

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

The gases from the scrap furnace are sent to an incinerator for destruction of the dioxins and furans. The gas stream from the incinerator is subject to lime injection which reacts with the dioxins and furans, neutralising and destroying them. The lime is collected in a baghouse in which the bags are also coated with lime.

License number of the toxic substance reduction planner who made the recommendations for this

substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

57653-85-7, 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin

57653-85-7, 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

not used

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

no technically feasible options

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

This substance is not used at the facility

Summarize why this substance is used at the facility:**

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

As a by-product

Summarize why this substance is created at the facility:**

as a byproduct of melting contaminated aluminum for recycling

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If ‘No’, record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).If ‘Yes’, explain why no option will be implemented:**

no technically feasible options

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

The gases from the scrap furnace are sent to an incinerator for destruction of the dioxins and furans. The gas stream from the incinerator is subject to lime injection which reacts with the dioxins and furans, neutralising and destroying them. The lime is collected in a baghouse in which the bags are also coated with lime.

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

60851-34-5, 2,3,4,6,7,8-Hexachlorodibenzofuran

60851-34-5, 2,3,4,6,7,8-Hexachlorodibenzofuran

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

not used

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

no technically feasible options

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target or years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

	Quantity	Unit
☒ No target or		

Timeframe target:*

☒ No target or years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

This substance is not used at the facility

Summarize why this substance is used at the facility:**

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

As a by-product

Summarize why this substance is created at the facility:**

as a byproduct of melting contaminated aluminum for recycling

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If ‘No’, record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).If ‘Yes’, explain why no option will be implemented:**

no technically feasible options

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

The gases from the scrap furnace are sent to an incinerator for destruction of the dioxins and furans. The gas stream from the incinerator is subject to lime injection which reacts with the dioxins and furans, neutralising and destroying them. The lime is collected in a baghouse in which the bags are also coated with lime.

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

67562-39-4, 1,2,3,4,6,7,8-Heptachlorodibenzofuran

67562-39-4, 1,2,3,4,6,7,8-Heptachlorodibenzofuran

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

not used

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

no technically feasible options

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

This substance is not used at the facility

Summarize why this substance is used at the facility:**

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

As a by-product

Summarize why this substance is created at the facility:**

as a byproduct of melting contaminated aluminum for recycling

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If ‘No’, record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).If ‘Yes’, explain why no option will be implemented:**

no technically feasible options

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

The gases from the scrap furnace are sent to an incinerator for destruction of the dioxins and furans. The gas stream from the incinerator is subject to lime injection which reacts with the dioxins and furans, neutralising and destroying them. The lime is collected in a baghouse in which the bags are also coated with lime.

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

70648-26-9, 1,2,3,4,7,8-Hexachlorodibenzofuran

70648-26-9, 1,2,3,4,7,8-Hexachlorodibenzofuran

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

not used

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

no technically feasible options

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

	Quantity	Unit

☒ No target or

Timeframe target:*

☒ No target or years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

This substance is not used at the facility

Summarize why this substance is used at the facility:**

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

As a by-product

Summarize why this substance is created at the facility:**

as a byproduct of melting contaminated aluminum for recycling

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If ‘No’, record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).If ‘Yes’, explain why no option will be implemented:**

no technically feasible options

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

The gases from the scrap furnace are sent to an incinerator for destruction of the dioxins and furans. The gas stream from the incinerator is subject to lime injection which reacts with the dioxins and furans, neutralising and destroying them. The lime is collected in a baghouse in which the bags are also coated with lime.

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

72918-21-9, 1,2,3,7,8,9-Hexachlorodibenzofuran

72918-21-9, 1,2,3,7,8,9-Hexachlorodibenzofuran

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

not used

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

no technically feasible options

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target or years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

This substance is not used at the facility

Summarize why this substance is used at the facility:**

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

As a by-product

Summarize why this substance is created at the facility:**

as a byproduct of melting contaminated aluminum for recycling

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If ‘No’, record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).If ‘Yes’, explain why no option will be implemented:**

no technically feasible options

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

The gases from the scrap furnace are sent to an incinerator for destruction of the dioxins and furans. The gas stream from the incinerator is subject to lime injection which reacts with the dioxins and furans, neutralising and destroying them. The lime is collected in a baghouse in which the bags are also coated with lime.

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

NA - 09, Manganese (and its compounds)

NA - 09, Manganese (and its compounds)

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

manganese is used in incoming metal alloys and is an essential component of the final product

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

not created

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

As a formulation component

Summarize why this substance is used at the facility:**

manganese is an essential component in aluminum alloys

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

This substance is not created at the facility

Summarize why this substance is created at the facility:**

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If ‘No’, record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).If ‘Yes’, explain why no option will be implemented:**

no technically feasible options

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

none

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

NA - 06, Copper (and its compounds)

NA - 06, Copper (and its compounds)

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

cooper is an essential component in aluminum alloys

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

not created

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

As a formulation component

Summarize why this substance is used at the facility:**

as an essential component of aluminum alloys

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

This substance is not created at the facility

Summarize why this substance is created at the facility:**

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If ‘No’, record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).If ‘Yes’, explain why no option will be implemented:**

no technically feasible options

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

none

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

NA - 04, Chromium (and its compounds)

NA - 04, Chromium (and its compounds)

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

chromium is an essential element of the finished product

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

not created

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target or years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

	Quantity	Unit
☒ No target or		

Timeframe target:*

☒ No target or years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

As a formulation component

Summarize why this substance is used at the facility:**

as an essential component of aluminum alloys

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

This substance is not created at the facility

Summarize why this substance is created at the facility:**

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If ‘No’, record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).If ‘Yes’, explain why no option will be implemented:**

no technically feasible options

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

none

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

118-74-1, Hexachlorobenzene

118-74-1, Hexachlorobenzene

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator’s intent to use less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not using less of this substance?**

not used

Creation

Does the plan include a statement that stipulates the owner or operator’s intent to create less of this toxic substance at their facility?*

No

If ‘yes’, provide the exact statement of intent:**

If ‘no’, what rationale is specified in the plan for not creating less of this substance?:**

no technically feasible options

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

none

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

		Quantity	Unit
☒ No target	or		

Timeframe target:*

☒ No target	or		years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

This substance is not used at the facility

Summarize why this substance is used at the facility:**

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

As a by-product

Summarize why this substance is created at the facility:**

as a byproduct of melting contaminated aluminum for recycling

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

Yes

If ‘No’, record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).If ‘Yes’, explain why no option will be implemented:**

no technically feasible options

Materials or feedstock substitution

Product design or reformulation

Equipment or process modifications

Spill or leak prevention

On-site reuse, recycling or recovery

Improved inventory management or purchasing techniques

Good operator practice or training

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

The gases from the scrap furnace are sent to an incinerator for destruction of the hexachlorobenzene. The gas stream from the incinerator is subject to lime injection which reacts with the hexachlorobenzene, neutralising and destroying them. The lime is collected in a baghouse in which the bags are also coated with lime.

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX):*

TSRP0092

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX):*

TSRP0092

Which version of the plan is reflected in this summary?*

New Plan

Government of Canada / Gouvernement du Canada
NPRI and partners
Single Window

Canada

Report Preview

Company Details

Name:

Sapa Canada Inc.

Address:

Report Details

Report Status:

Submitted

Reporting Period:

2012

Facility Name:

Toronto Division

Facility Address:

7 Alloy Court, Toronto (Ontario)

Update Comments:

Activity Details

Applicable Programs

Please select all of the programs to which this facility is reporting.

Environment Canada Programs

☑ **NPRI** - National Pollutant Release Inventory

Partnering Programs

☐ **ON MOE TRA** - Ontario Ministry of the Environment for the Toxic Reductions Act

☐ **ON MOE Reg. 127/01** - Ontario Ministry of the Environment for the Airborne Contaminant Discharge Monitoring and Reporting Regulation

☐ **NERM** - Chemistry Industry Association of Canada for the National Emission Reduction Masterplan survey

☐ **NFPRER** - National Framework for Petroleum Refinery Emission Reductions

Contacts

Facility Contacts

Please assign the appropriate contact under each category below.

Technical Contact:*

Michael Zorayan

Certifying Official (or authorized delegate):*

John Ellertson

Company Coordinator (optional):

Michael Zorayan

Public Contact (optional):

Michael Zorayan

Contractor Contact (optional):

Satyanand Goolsarran

If you are an independent contractor or consultant, please enter your company name in the field below:

Exp Services Inc.

Employees and Activities

Employees

Number of Employees*

53

Activities

If your facility was engaged in any of the following activities, check the relevant box(es), otherwise click "None of the Above". For the second "Activities" list, if you select one of these activities then you must report dioxins, furans and hexachlorobenzene.

Activities for Which the 20,000-Hour Employee Threshold Does Not Apply: (check all that apply)*

None of the above

Activities Relevant to Reporting Dioxins, Furans and Hexacholorobenzene: (check all that apply)*

Smelting of secondary aluminum

Activities Relevant to Reporting of Polycyclic Aromatic Hydrocarbons (PAHs)

Did the following activity take place at the facility?

Wood preservation using creosote:*

No

General Facility Information

NPRI

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

If 'Yes' to reporting for one or more Part 4 substances:
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
☐	☐	☐	☐	☐	☐	☐

Operating Schedule - Hours**

Usual Number of Operating Hours per day	Usual Daily Start Time (24h) (hh:mm)
24	06:00

Shutdown Periods**

To declare a shutdown period, click the green "+" sign to the right side of the screen.
Empty

General Comments for Facility

Comments:

Verify Facility Information

The information in this section was copied from the Single Window Information Manager (SWIM) at the time the plan summary was created. Please verify the information and update it where required. Please note that any changes made here will only be reflected in this plan summary. To ensure updates reflected in future reports, please ensure the information is updated in SWIM. After making updates in SWIM, return here and click the "**Refresh**" button to trigger a reload of the SWIM information. Please note all previously entered data will be modified. the UTM coordinates are required on this screen.

Company Information

Company Legal Name

Sapa Canada Inc.

Business Number

857314058

Mailing Address

Delivery Mode:

General Delivery

PO Box

Rural Route Number

Address Line 1

7 Alloy Court

City*

Toronto

Province/Territory**

Ontario

Postal Code:**

M9M3A2

Country*

Canada

Facility Information

Facility*

Toronto Division

NAICS Id*

331529

NPRI ID*

0000001480

Physical Address

Address Line 1

7 Alloy Court

City

Toronto

Province/Territory

Ontario

Postal Code

M9M3A2

Country

Canada

Additional Information

Land Survey Description

National Topographical Description

Geographical Address

Latitude

43.73600

Longitude

-79.53200

UTM Zone

17

UTM Easting

618216.80

UTM Northing

4843598.72

4843598.72

Facility Contacts

Contact Types

Ensure you assign a position title to all the selected contacts. Press the "+" to expand the contact boxes.

Technical Contact

First Name:*

Michael

Last Name:*

Zorayan

Position:*

Environmental Coordinator

Telephone:*

4165744933

Ext:

Fax:

4167431057

Email:*

michael.zorayan@sapagroup.com

Mailing Address

Delivery Mode:

General Delivery

PO Box

Rural Route Number

Address Line 1

7 - Alloy Court

City*

North York

Province/Territory**

Ontario

Postal Code:**

M9M 3A2

Country*

Canada

Certifying Official

First Name:*

John

Last Name:*

Ellertson

Position:*

Manager

Telephone:*

4167431080

Ext:

229

Fax:

4167431057

Email:*

wade.ellertson@sapagroup.com

Mailing Address

Delivery Mode: General Delivery

7 - Alloy Court West

General Delivery

Contact Information

First Name:*

Michael

Last Name:*

Zorayan

Position:*

Environmental Coordinator

Telephone:*

4165744933

Ext:

Fax:

4167431057

Email:*

michael.zorayan@sapagroup.com

Mailing Address

Delivery Mode:

General Delivery

PO Box

Rural Route Number

Address Line 1

7 - Alloy Court

City*

North York

Province/Territory**

Ontario

Postal Code:**

M9M 3A2

Country*

Canada

Contractor Contact

First Name:*

Satyanand

Last Name:*

Goolsarran

Position:*

Environmental Scientist

Telephone:*

9057939809

Ext:

2530

Fax:

Email:*

satyanand.goolsarran@exp.com

Mailing Address

Delivery Mode:

General Delivery

PO Box

Rural Route Number

Municipality

Campbell Park Boulevard

Public Contact

First Name:*
Michael

Last Name:*
Zorayan

Position:*
Environmental Coordinator

Telephone:*
4165744933

Ext:

Fax:
4167431057

Email:*
michael.zorayan@sapagroup.com

Mailing Address

Delivery Mode:
General Delivery

PO Box

Rural Route Number

Address Line 1
7 - Alloy Court

City*
North York

Province/Territory**
Ontario

Postal Code:**
M9M 3A2

Country*
Canada

Environmental Regulations or Permits

Permits

ON2046801

Number or Permit Number
ON2046801

Government Department, Agency, or Program Name
Ministry of Environment, HWIN

8966-6KALBU

Number or Permit Number
8966-6KALBU

Government Department, Agency, or Program Name
Ministry of Environment, Certificate of Approval

Pollution Prevention

Pollution Prevention Plans

Does the facility have a documented facility-wide pollution prevention plan?*
No

If Yes,

b) [illegible] energy conservation or water conservation?

Pollution Prevention Activities

Did the facility complete any pollution prevention activities in the current NPRI reporting year?*

No

Selecting "Yes" will initiate the reporting of the specific pollution prevention activities that were completed in the current reporting year on the following screen.

Substance Details

118-74-1, Hexachlorobenzene

118-74-1, Hexachlorobenzene

Substance Reporting Status

Applicable Programs

Please select the program status.

NPRI

Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI*

Comments

General Information

On-site Releases to the Environment

Indicate if there were On-site Releases, Disposals or Off-site Transfers to the environment by choosing Yes or No from the drop-down boxes beside the questions below.

On-site Releases to the Environment

Was the substance released on-site?*

Yes

Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal?*

No

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period?*

No

Was the substance transferred off-site for recycling?*

No

Nature of Activities*

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

Manufacture the Substance

As an impurity

Process the Substance

Otherwise Use of the Substance

On-site Releases

Click "**Edit**" to enter your reportable values.
In order to calculate totals, you must click the "**Save/Continue**" button

Enter the values for releases to air for the substance

Releases to Air

	Basis Of Estimate:	Detail Code:	Quantity (Grams)
Stack or Point Releases	C - Mass Balance		0
Storage or Handling Releases	NA - Not Applicable		

		Fugitive Releases
NA - Not Applicable		
Spills	NA - Not Applicable	
Other Non-point Releases	NA - Not Applicable	

Total - Releases to Air

0

Enter the values for releases to water bodies for the substance

Click "Edit" to enter the water body name.

Releases to Water Bodies

	Basis Of Estimate:	Detail Code:	Quantity (Grams)
Direct Discharges	NA - Not Applicable		
Spills	NA - Not Applicable		
Leaks	NA - Not Applicable		

Total - Releases to Water Bodies

Enter the values for releases to land for the substance

Releases to Land

	Basis Of Estimate:	Detail Code:	Quantity (Grams)
Spills	NA - Not Applicable		
Leaks	NA - Not Applicable		
Other	NA - Not Applicable		

Total - Releases to Land

Total Quantity Released

0

Breakdown of Annual Releases

☐ Distribute Equally

Quarterly Breakdown*

Jan - Mar %	Apr - Jun %	Jul - Sep %	Oct - Dec %

Total %

0

Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons*

No significant change (i.e. < 10%) or no change

Comments ? (On-Site Releases)

Disposals

Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

No significant change (i.e. < 10%) or no change

Comments? (Disposals)

Recycling

Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons*

No significant change (i.e. < 10%) or no change

Comments? (Recycling)

NA - D/F, Dioxins and furans - total

NA - D/F, Dioxins and furans - total

Substance Reporting Status

Applicable Programs

Please select the program status.

NPRI

Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI*

Comments

General Information

On-site Releases to the Environment

Indicate if there were On-site Releases, Disposals or Off-site Transfers to the environment by choosing Yes or No from the drop-down boxes beside the questions below.

On-site Releases to the Environment

Was the substance released on-site?*

Yes

Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal?*

No

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period?*

No

Was the substance transferred off-site for recycling?*

No

Nature of Activities*

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

Manufacture the Substance

As a by-product, As an impurity

Process the Substance

Otherwise Use of the Substance

On-site Releases

Click "**Edit**" to enter your reportable values.
In order to calculate totals, you must click the "**Save/Continue**" button

Releases to Air

	Basis Of Estimate:	Detail Code:	Quantity (g TEQ(ET))
Stack or Point Releases	C - Mass Balance		0.0121
Storage or Handling Releases	NA - Not Applicable		
Fugitive Releases	NA - Not Applicable		
Spills	NA - Not Applicable		
Other Non-point Releases	NA - Not Applicable		

Total - Releases to Air

0.0121

Dioxins and Furans Breakdown

Dioxins and Furans Breakdown

Basis of Estimate for Dioxins and Furans

Enter breakdown values for:

Stack or Point Releases

Basis Of Estimate:

C - Mass Balance

Detail Code:

Dioxins and Furans Breakdown Substance List

CAS Number	Substance Name	Quantity (Grams)	Quantity (g TEQ(ET))
35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	0.0004	0.000004
67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.0003	0.000003
55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.0001	0.000001
39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.0007	0.00007
57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.0014	0.00014
19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.0023	0.00023
70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	0.0038	0.00038
57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	0.0031	0.00031
72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	0.0019	0.00019
60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	0.0003	0.00003
40321-76-4	1,2,3,7,8-Pentachlorodi	0.0062	0.00310

	benzo-p-dioxin		
57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	0.0255	0.001275
57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	0.0010	0.00050
1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.0040	0.0040
51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	0.0185	0.00185

Total of D/F congeners (from above) (g TEQ(ET))

0.0121

Total of D/Fs (only if no information on D/F congeners) (g TEQ(ET))

Note: If no information on speciated dioxin and furan substances is available, you may report a total for dioxins and furans in the field "Total D/Fs (g TEQ(ET))", as shown above, instead of entering the quantities for the speciated substances.

For ON MOE TRA, facilities must provide information on individual dioxin and furan congeners using the best available method(s) for the facility.

Enter the values for releases to water bodies for the substance

Click "Edit" to enter the water body name.

Releases to Water Bodies

	Basis Of Estimate:	Detail Code:	Quantity (g TEQ(ET))
Direct Discharges	NA - Not Applicable		
Spills	NA - Not Applicable		
Leaks	NA - Not Applicable		

Total - Releases to Water Bodies

Enter the values for releases to land for the substance

Releases to Land

	Basis Of Estimate:	Detail Code:	Quantity (g TEQ(ET))
Spills	NA - Not Applicable		
Leaks	NA - Not Applicable		
Other	NA - Not Applicable		

Total - Releases to Land

Total Quantity Released

0.0121

Breakdown of Annual Releases

Distribute Equally

Quarterly Breakdown

Jan - Mar %	Apr - Jun %	Jul - Sep %	Oct - Dec %
25	25	25	25

Total %

100

Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons*

No significant change (i.e. < 10%) or no change

Comments ? (On-Site Releases)

Disposals

Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

No significant change (i.e. < 10%) or no change

Comments? (Disposals)

Recycling

Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons*

No significant change (i.e. < 10%) or no change

Comments? (Recycling)

NA - 06, Copper (and its compounds)

NA - 06, Copper (and its compounds)

Substance Reporting Status

Applicable Programs

Please select the program status.

NPRI

Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI*

Comments

General Information

On-site Releases to the Environment

Indicate if there were On-site Releases, Disposals or Off-site Transfers to the environment by choosing Yes or No from the drop-down boxes beside the questions below.

On-site Releases to the Environment

Was the substance released on-site?*

Yes

If the substance was released on-site and the total quantity released was less than one tonne, select the check-box below:

☐ The substance will be reported as the sum of releases to all media (total of 1 tonne or less).

Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal?*

Yes

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?*
No

Nature of Activities*
Yes

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

Manufacture the Substance

As a by-product, As an impurity

Process the Substance

As a reactant

Otherwise Use of the Substance

On-site Releases

Click "**Edit**" to enter your reportable values.
In order to calculate totals, you must click the "**Save/Continue**" button

Enter the values for releases to air for the substance

Releases to Air

	Basis Of Estimate:	Quantity (Tonnes)
Stack or Point Releases	E1 - Site Specific Emission Factors	0.020
Storage or Handling Releases	NA - Not Applicable	
Fugitive Releases	NA - Not Applicable	
Spills	NA - Not Applicable	
Other Non-point Releases	NA - Not Applicable	

Total - Releases to Air

0.020

Enter the values for releases to water bodies for the substance

Click "Edit" to enter the water body name.

Releases to Water Bodies

	Basis Of Estimate:	Quantity (Tonnes)
Direct Discharges	NA - Not Applicable	
Spills	NA - Not Applicable	
Leaks	NA - Not Applicable	

Total - Releases to Water Bodies

Enter the values for releases to land for the substance

Releases to Land

	Basis Of Estimate:	Quantity (Tonnes)
Spills	NA - Not Applicable	
Leaks	NA - Not Applicable	
Other	NA - Not Applicable	

Total - Releases to Land

Total Quantity Released

Total Quantity Released

0.020

0.020

Breakdown of Annual Releases

Distribute Equally

Quarterly Breakdown*

Jan - Mar %	Apr - Jun %	Jul - Sep %	Oct - Dec %
25	25	25	25

Total %

100

Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons *

No significant change (i.e. < 10%) or no change

Comments ? (On-Site Releases)

Disposals

Reasons Why Substance Was Disposed

Select one or more reasons

Production residues

On-site Disposal (excluding Tailings and Waste Rock)

Click "**Edit**" to enter your reportable values.
In order to calculate totals, you must click the "**Save/Continue**" button

On-site Disposal

	Basis Of Estimate:	Quantity (Tonnes)
Landfill	NA - Not Applicable	
Land Treatment	NA - Not Applicable	
Underground Injection	NA - Not Applicable	

Total - On-site Disposals

Off-site Disposal (excluding Tailings and Waste Rock)

Off-site Disposal

	Basis Of Estimate:	Quantity (Tonnes)
Landfill	C - Mass Balance	0.184
Land Treatment	NA - Not Applicable	
Underground Injection	NA - Not Applicable	
Storage	NA - Not Applicable	

Total - Off-site Disposals

0.184

Assign Disposals / Transfers to Off-site Facilities

Choose the Basis of Estimate and enter the quantity transferred off-site for disposal in the first

Quantity box. Then enter the quantity transferred to each off-site in its respective quantity field. If you need to add an off-site facility to the list, click the green "+" sign to navigate to the off-site search screen. When you are finished entering all transfer quantities, click "**Save and Return**".

Assign Disposals / Transfers to Off-site Facilities — Basis of Estimate for Off-sites

Enter breakdown values for:

Landfill

Basis of Estimate

C - Mass Balance

Quantity (Tonnes)

0.184

Off-site

Newalta Corp. - Fort Erie

Off-Site Name

Newalta Corp. - Fort Erie

Quantity (Tonnes)

0.184

Address

1731 Petit Rd.

Prov

ON

City

Fort Erie

Country

Canada

Total Assigned (must equal total reported)

0.184

Off-site Transfers (excluding Tailings and Waste Rock)

Off-site Transfers for Treatment Prior to Final Disposal

	Basis Of Estimate:	Quantity (Tonnes)
Physical Treatment	NA - Not Applicable	
Chemical Treatment	NA - Not Applicable	
Biological Treatment	NA - Not Applicable	
Incineration / Thermal	NA - Not Applicable	
Municipal Sewage Treatment Plant	NA - Not Applicable	

Total - Treatment Prior to Final Disposal

Total Quantity Disposed (All Media)

0.184

Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

No significant change (i.e. < 10%) or no change

Comments? (Disposals)

Reasons Why Substance Was Recycled

Select one or more reasons.*

Production Residues

Off-site Transfers for Recycling

Click "**Edit**" to enter your reportable values.
In order to calculate totals, you must click the "**Save/Continue**" button

Off-site Transfers

	Basis Of Estimate:	Quantity (Tonnes)
Energy Recovery	NA - Not Applicable	
Recovery of Solvents	NA - Not Applicable	
Recovery of Organic Substances (not solvents)	NA - Not Applicable	
Recovery of Metals and Metal Compounds	C - Mass Balance	0.032
Recovery of Inorganic Materials (not metals)	NA - Not Applicable	
Recovery of Acids and Bases	NA - Not Applicable	
Recovery of Catalysts	NA - Not Applicable	
Recovery of Pollution Abatement Residues	NA - Not Applicable	
Refining of Re-use of Used Oil	NA - Not Applicable	
Other	NA - Not Applicable	

Total Quantity Recycled

0.032

Assign Disposals / Transfers to Off-site Facilities

Choose the Basis of Estimate and enter the quantity transferred off-site for disposal in the first Quantity box. Then enter the quantity transferred to each off-site in its respective quantity field. If you need to add an off-site facility to the list, click the green "+" sign to navigate to the off-site search screen. When you are finished entering all transfer quantities, click "**Save and Return**".

Assign Disposals / Transfers to Off-site Facilities

Basis of Estimate for Off-sites

Enter breakdown values for:

Recovery of Metals and Metal Compounds

Basis of Estimate

C - Mass Balance

Quantity (Tonnes)

0.032

Off-site

Greenway Industries Corp.

Off-Site Name

Greenway Industries Corp.

Quantity (Tonnes)

0.032

Address

35 Freshway Dr.

Prov

ON

City

Concord

Country

Canada

Total Assigned (must equal total reported)

0.032

Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons*

No significant change (i.e. < 10%) or no change

Comments? (Recycling)

NA - 04, Chromium (and its compounds)

NA - 04, Chromium (and its compounds)

Substance Reporting Status

Applicable Programs

Please select the program status.

NPRI
Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI*

Comments

General Information

On-site Releases to the Environment

Indicate if there were On-site Releases, Disposals or Off-site Transfers to the environment by choosing Yes or No from the drop-down boxes beside the questions below.

On-site Releases to the Environment

Was the substance released on-site?*

Yes

If the substance was released on-site and the total quantity released was less than one tonne, select the check-box below:

☐ The substance will be reported as the sum of releases to all media (total of 1 tonne or less).

Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal?*

Yes

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period?*

No

Was the substance transferred off-site for recycling?*

Yes

Nature of Activities*

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

Manufacture the Substance

As a by-product, As an impurity

Process the Substance

As a reactant

Otherwise Use of the Substance

Click "**Edit**" to enter your reportable values.
In order to calculate totals, you must click the "**Save/Continue**" button

Enter the values for releases to air for the substance

Releases to Air

	Basis Of Estimate:	Quantity (Tonnes)
Stack or Point Releases	C - Mass Balance	0.100
Storage or Handling Releases	NA - Not Applicable	
Fugitive Releases	NA - Not Applicable	
Spills	NA - Not Applicable	
Other Non-point Releases	NA - Not Applicable	

Total - Releases to Air

0.100

Enter the values for releases to water bodies for the substance

Click "Edit" to enter the water body name.

Releases to Water Bodies

	Basis Of Estimate:	Quantity (Tonnes)
Direct Discharges	NA - Not Applicable	
Spills	NA - Not Applicable	
Leaks	NA - Not Applicable	

Total - Releases to Water Bodies

Enter the values for releases to land for the substance

Releases to Land

	Basis Of Estimate:	Quantity (Tonnes)
Spills	NA - Not Applicable	
Leaks	NA - Not Applicable	
Other	NA - Not Applicable	

Total - Releases to Land

Total Quantity Released

0.100

Breakdown of Annual Releases

☐ Distribute Equally

Quarterly Breakdown*

Jan - Mar %	Apr - Jun %	Jul - Sep %	Oct - Dec %
25	25	25	25

Total %

100

Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons

No significant change (i.e. < 10%) or no change

Comments ? (On-Site Releases)

Disposals

Reasons Why Substance Was Disposed

Select one or more reasons

Production residues

On-site Disposal (excluding Tailings and Waste Rock)

Click "**Edit**" to enter your reportable values.
In order to calculate totals, you must click the "**Save/Continue**" button

On-site Disposal

	Basis Of Estimate:	Quantity (Tonnes)
Landfill	NA - Not Applicable	
Land Treatment	NA - Not Applicable	
Underground Injection	NA - Not Applicable	

Total - On-site Disposals

Off-site Disposal (excluding Tailings and Waste Rock)

Off-site Disposal

	Basis Of Estimate:	Quantity (Tonnes)
Landfill	C - Mass Balance	0.023
Land Treatment	NA - Not Applicable	
Underground Injection	NA - Not Applicable	
Storage	NA - Not Applicable	

Total - Off-site Disposals

0.023

Assign Disposals / Transfers to Off-site Facilities

Choose the Basis of Estimate and enter the quantity transferred off-site for disposal in the first Quantity box. Then enter the quantity transferred to each off-site in its respective quantity field. If you need to add an off-site facility to the list, click the green "+" sign to navigate to the off-site search screen. When you are finished entering all transfer quantities, click "**Save and Return**".

Assign Disposals / Transfers to Off-site Facilities

Basis of Estimate for Off-sites

Enter breakdown values for:

Landfill

Basis of Estimate

C - Mass Balance

Quantity (Tonnes)

0.023

Off-site

Newalta Corp. - Fort Erie

Off-Site Name
Newalta Corp. - Fort Erie

Quantity (Tonnes)
0.023

Address
1731 Petit Rd.

Prov
ON

City
Fort Erie

Country
Canada

Total Assigned (must equal total reported)
0.023

Off-site Transfers (excluding Tailings and Waste Rock)

Off-site Transfers for Treatment Prior to Final Disposal

	Basis Of Estimate:	Quantity (Tonnes)
Physical Treatment	NA - Not Applicable	
Chemical Treatment	NA - Not Applicable	
Biological Treatment	NA - Not Applicable	
Incineration / Thermal	NA - Not Applicable	
Municipal Sewage Treatment Plant	NA - Not Applicable	

Total - Treatment Prior to Final Disposal

Total Quantity Disposed (All Media)
0.023

Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.
No significant change (i.e. < 10%) or no change

Comments? (Disposals)

Recycling

Reasons Why Substance Was Recycled

Select one or more reasons.*
Production Residues

Off-site Transfers for Recycling

Click "**Edit**" to enter your reportable values.
In order to calculate totals, you must click the "**Save/Continue**" button

Off-site Transfers

	Basis Of Estimate:	Quantity (Tonnes)
Energy Recovery	NA - Not Applicable	
Recovery of Solvents		

	NA - Not Applicable	
Recovery of Organic Substances (not solvents)	NA - Not Applicable	
Recovery of Metals and Metal Compounds	C - Mass Balance	0.009
Recovery of Inorganic Materials (not metals)	NA - Not Applicable	
Recovery of Acids and Bases	NA - Not Applicable	
Recovery of Catalysts	NA - Not Applicable	
Recovery of Pollution Abatement Residues	NA - Not Applicable	
Refining of Re-use of Used Oil	NA - Not Applicable	
Other	NA - Not Applicable	

Total Quantity Recycled

0.009

Assign Disposals / Transfers to Off-site Facilities

Choose the Basis of Estimate and enter the quantity transferred off-site for disposal in the first Quantity box. Then enter the quantity transferred to each off-site in its respective quantity field. If you need to add an off-site facility to the list, click the green "+" sign to navigate to the off-site search screen. When you are finished entering all transfer quantities, click "**Save and Return**".

Assign Disposals / Transfers to Off-site Facilities

Basis of Estimate for Off-sites

Enter breakdown values for:

Recovery of Metals and Metal Compounds

Basis of Estimate

C - Mass Balance

Quantity (Tonnes)

0.009

Off-site

Greenway Industries Corp.

Off-Site Name

Greenway Industries Corp.

Quantity (Tonnes)

0.009

Address

35 Freshway Dr.

Prov

ON

City

Concord

Country

Canada

Total Assigned (must equal total reported)

0.009

Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons *

No significant change (i.e. < 10%) or no change

Comments? (Recycling)

NA - 09, Manganese (and its compounds)

NA - 09, Manganese (and its compounds)

Substance Reporting Status

Applicable Programs

Please select the program status.

NPRI
Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI*

Comments

General Information

On-site Releases to the Environment

Indicate if there were On-site Releases, Disposals or Off-site Transfers to the environment by choosing Yes or No from the drop-down boxes beside the questions below.

On-site Releases to the Environment

Was the substance released on-site?*

Yes

If the substance was released on-site and the total quantity released was less than one tonne, select the check-box below:

☐

The substance will be reported as the sum of releases to all media (total of 1 tonne or less).

Disposals and Off-site Transfers for Recycling

Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal?*

Yes

Is the facility required to report on disposals of tailings and waste rock for the selected reporting period?*

No

Was the substance transferred off-site for recycling?*

Yes

Nature of Activities*

Indicate whether the substance was manufactured, processed, or otherwise used, by selecting the nature of such activities.

Manufacture the Substance

As a by-product, As an impurity

Process the Substance

As a reactant

Otherwise Use of the Substance

On-site Releases

Click "**Edit**" to enter your reportable values.
In order to calculate totals, you must click the "**Save/Continue**" button

Enter the values for releases to air for the substance

Releases to Air

	Basis Of Estimate:	Quantity (Tonnes)
Stack or Point Releases	C - Mass Balance	0.062
Storage or Handling Releases	NA - Not Applicable	
Fugitive Releases	NA - Not Applicable	
Spills	NA - Not Applicable	

Other Non-point Releases

NA - Not Applicable

Total - Releases to Air

0.062

Enter the values for releases to water bodies for the substance

Click "Edit" to enter the water body name.

Releases to Water Bodies

	Basis Of Estimate:	Quantity (Tonnes)
Direct Discharges	NA - Not Applicable	
Spills	NA - Not Applicable	
Leaks	NA - Not Applicable	

Total - Releases to Water Bodies

Enter the values for releases to land for the substance

Releases to Land

	Basis Of Estimate:	Quantity (Tonnes)
Spills	NA - Not Applicable	
Leaks	NA - Not Applicable	
Other	NA - Not Applicable	

Total - Releases to Land

Total Quantity Released

0.062

Breakdown of Annual Releases

Distribute Equally

Quarterly Breakdown*

Jan - Mar %	Apr - Jun %	Jul - Sep %	Oct - Dec %
25	25	25	25

Total %

100

Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons*

No significant change (i.e. < 10%) or no change

Comments ? (On-Site Releases)

Disposals

Reasons Why Substance Was Disposed

Select one or more reasons

Production residues

On-site Disposal (excluding Tailings and Waste Rock)

Click "**Edit**" to enter your reportable values.
In order to calculate totals, you must click the "**Save/Continue**" button

On-site Disposal

	Basis Of Estimate:	Quantity (Tonnes)
Landfill	NA - Not Applicable	
Land Treatment	NA - Not Applicable	
Underground Injection	NA - Not Applicable	

Total - On-site Disposals

Off-site Disposal (excluding Tailings and Waste Rock)

Off-site Disposal

	Basis Of Estimate:	Quantity (Tonnes)
Landfill	C - Mass Balance	0.0332
Land Treatment	NA - Not Applicable	
Underground Injection	NA - Not Applicable	
Storage	NA - Not Applicable	

Total - Off-site Disposals

0.0332

Assign Disposals / Transfers to Off-site Facilities

Choose the Basis of Estimate and enter the quantity transferred off-site for disposal in the first Quantity box. Then enter the quantity transferred to each off-site in its respective quantity field. If you need to add an off-site facility to the list, click the green "+" sign to navigate to the off-site search screen. When you are finished entering all transfer quantities, click "**Save and Return**".

Assign Disposals / Transfers to Off-site Facilities

Basis of Estimate for Off-sites

Enter breakdown values for:

Landfill

Basis of Estimate

C - Mass Balance

Quantity (Tonnes)

0.0332

Off-site

Newalta Corp. - Fort Erie

Off-Site Name

Newalta Corp. - Fort Erie

Quantity (Tonnes)

0.0332

Address

1731 Petit Rd.

Prov

ON

City

Fort Erie

Country

Total Assigned (must equal total reported)

0.0332

Off-site Transfers (excluding Tailings and Waste Rock)

Off-site Transfers for Treatment Prior to Final Disposal

	Basis Of Estimate:	Quantity (Tonnes)
Physical Treatment	NA - Not Applicable	
Chemical Treatment	NA - Not Applicable	
Biological Treatment	NA - Not Applicable	
Incineration / Thermal	NA - Not Applicable	
Municipal Sewage Treatment Plant	NA - Not Applicable	

Total - Treatment Prior to Final Disposal

Total Quantity Disposed (All Media)

0.0332

Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

No significant change (i.e. < 10%) or no change

Comments? (Disposals)

Recycling

Reasons Why Substance Was Recycled

Select one or more reasons.*

Production Residues

Off-site Transfers for Recycling

Click "**Edit**" to enter your reportable values.
In order to calculate totals, you must click the "**Save/Continue**" button

Off-site Transfers

	Basis Of Estimate:	Quantity (Tonnes)
Energy Recovery	NA - Not Applicable	
Recovery of Solvents	NA - Not Applicable	
Recovery of Organic Substances (not solvents)	NA - Not Applicable	
Recovery of Metals and Metal Compounds	C - Mass Balance	0.0223
Recovery of Inorganic Materials (not metals)	NA - Not Applicable	
Recovery of Acids and Bases	NA - Not Applicable	
Recovery of Catalysts	NA - Not Applicable	
Recovery of Pollution Abatement Residues	NA - Not Applicable	
Refining of Re-use of Used Oil	NA - Not Applicable	
Other	NA - Not Applicable	

Total Quantity Recycled 0.0223

Assign Disposals / Transfers to Off-site Facilities

Choose the Basis of Estimate and enter the quantity transferred off-site for disposal in the first Quantity box. Then enter the quantity transferred to each off-site in its respective quantity field. If you need to add an off-site facility to the list, click the green "+" sign to navigate to the off-site search screen. When you are finished entering all transfer quantities, click "**Save and Return**".

Assign Disposals / Transfers to Off-site Facilities

Basis of Estimate for Off-sites

Enter breakdown values for:

Recovery of Metals and Metal Compounds

Basis of Estimate

C - Mass Balance

Quantity (Tonnes)

0.0223

Off-site

Greenway Industries Corp.

Off-Site Name

Greenway Industries Corp.

Quantity (Tonnes)

0.0223

Address

35 Freshway Dr.

Prov

ON

City

Concord

Country

Canada

Total Assigned (must equal total reported)

0.0223

Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons*

No significant change (i.e. < 10%) or no change

Comments? (Recycling)

NA - M09, PM10 - Particulate Matter <= 10 Microns

NA - M09, PM10 - Particulate Matter <= 10 Microns

Substance Reporting Status

Applicable Programs

Please select the program status.

NPRI

Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI*

Comments

On-site Releases

Click "**Edit**" to enter your reportable values.
In order to calculate totals, you must click the "**Save/Continue**" button

Releases to Air

	Basis Of Estimate:	Quantity (Tonnes)
Stack or Point Releases	E1 - Site Specific Emission Factors	26.7
Storage or Handling Releases	NA - Not Applicable	
Fugitive Releases	NA - Not Applicable	
Spills	NA - Not Applicable	
Other Non-point Releases	NA - Not Applicable	
Road Dust	NA - Not Applicable	

Total - Releases to Air
26.7

Breakdown of Annual Releases

Distribute Equally

Monthly Releases

January %	February %	March %	April %
8.33	8.33	8.34	8.33

May %	June %	July %	August %
8.33	8.34	8.33	8.33

September %	October %	November %	December %
8.34	8.33	8.33	8.34

Total %
100.00

Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons*
No significant change (i.e. < 10%) or no change

Comments ? (On-Site Releases)

NA - M10, PM2.5 - Particulate Matter <= 2.5 Microns

NA - M10, PM2.5 - Particulate Matter <= 2.5 Microns

Substance Reporting Status

Applicable Programs

Please select the program status.

NPRI
Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI*

Comments

On-site Releases

Click "**Edit**" to enter your reportable values.
In order to calculate totals, you must click the "**Save/Continue**" button

Releases to Air

	Basis Of Estimate:	Quantity (Tonnes)
Stack or Point Releases	E1 - Site Specific Emission Factors	21.98
Storage or Handling Releases	NA - Not Applicable	
Fugitive Releases	NA - Not Applicable	
Spills	NA - Not Applicable	
Other Non-point Releases	NA - Not Applicable	
Road Dust	NA - Not Applicable	

Total - Releases to Air

21.98

Breakdown of Annual Releases

Distribute Equally

Monthly Releases

January %	February %	March %	April %
8.33	8.33	8.34	8.33

May %	June %	July %	August %
8.33	8.34	8.33	8.33

September %	October %	November %	December %
8.34	8.33	8.33	8.34

Total %

100.00

Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons*

No significant change (i.e. < 10%) or no change

Comments ? (On-Site Releases)

NA - M08, Total Particulate Matter

NA - M08, Total Particulate Matter

Substance Reporting Status

Applicable Programs

Please select the program status.

NPRI
Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No" indicates voluntary reporting of this substance to the NPRI*

Comments

On-site Releases

Click "**Edit**" to enter your reportable values.
In order to calculate totals, you must click the "**Save/Continue**" button

Releases to Air

	Basis Of Estimate:	Quantity (Tonnes)
Stack or Point Releases	E1 - Site Specific Emission Factors	37.9
Storage or Handling Releases	NA - Not Applicable	
Fugitive Releases	NA - Not Applicable	
Spills	NA - Not Applicable	
Other Non-point Releases	NA - Not Applicable	
Road Dust	NA - Not Applicable	

Total - Releases to Air

37.9

Breakdown of Annual Releases

☐ Distribute Equally

Monthly Releases

January %	February %	March %	April %
8.33	8.33	8.34	8.33

May %	June %	July %	August %
8.33	8.34	8.33	8.33

September %	October %	November %	December %
8.34	8.33	8.33	8.34

Total %

100.00

Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons*

No significant change (i.e. < 10%) or no change

Comments ? (On-Site Releases)

Version: 2.5.1.1

8.0 Certification

As of December 12, 2013, I, Yong Lee, certify that I have read the toxic substance reduction plan for manganese and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act with the exception of the regulatory deadline.

Yong Lee, General Manager

Dec. 23, 2013
Date

As of December 13, 2013, I, Wendy Nadan certify that I am familiar with the processes at SAPA Canada Inc. that use manganese, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the Toxics Reduction Act, 2009 that are set out in the plan dated December 13, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act with the exception of the regulatory deadline.

Wendy Nadan, Toxic Substance Reduction Planner

December 13, 2013
Date

8.0 Certification

As of December 12, 2013, I, Yong Lee, certify that I have read the toxic substance reduction plan for chromium and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act with the exception of the regulatory deadline.

Yong Lee, General Manager

Dec. 23, 2013
Date

As of December 13, 2013, I, Wendy Nadan certify that I am familiar with the processes at SAPA Canada Inc. that use chromium, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the Toxics Reduction Act, 2009 that are set out in the plan dated December 13, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act with the exception of the regulatory deadline.

Wendy Nadan, Toxic Substance Reduction Planner

December 13, 2013
Date

9.0 Certification

As of December 12, 2013, I, Yong Lee, certify that I have read the toxic substance reduction plan for particulate matter and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

Yong Lee, General Manager

Dec. 23, 2014.
Date

As of December 13, 2013, I, Wendy Nadan certify that I am familiar with the processes at SAPA Canada Inc. that use particulate matter, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the Toxics Reduction Act, 2009 that are set out in the plan dated December 13, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

Wendy Nadan, Toxic Substance Reduction Planner

December 13, 2013
Date

9.0 Certification

As of December 12, 2013, I, Yong Lee, certify that I have read the toxic substance reduction plan for copper and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act with the exception of the regulatory deadline.

Yong Lee, General Manager — Date: Dec. 23, 2013

As of December 13, 2013, I, Wendy Nadan certify that I am familiar with the processes at SAPA Canada Inc. that use copper, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the Toxics Reduction Act, 2009 that are set out in the plan dated December 13, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act with the exception of the regulatory deadline.

Wendy Nadan, Toxic Substance Reduction Planner — Date: December 13, 2013

9.0 Certification

As of December 12, 2013, I, Yong Lee, certify that I have read the toxic substance reduction plan for dioxins, furans and hexachlorobenzene and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act with the exception of the regulatory deadline.

Yong Lee, General Manager — Date: Dec. 23, 2013

As of December 13, 2013, I, Wendy Nadan certify that I am familiar with the processes at SAPA Canada Inc. that create dioxins, furans and hexachlorobenzene, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the Toxics Reduction Act, 2009 that are set out in the plan dated December 13, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act with the exception of the regulatory deadline.

Wendy Nadan, Toxic Substance Reduction Planner — Date: December 13, 2013