

National Pollutant Release Inventory (NPRI) and



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Report Preview

Report Details

Report Year	2015
Report Type:	NPRI,ON MOE TRA
Report Status:	Submitted
Modified Date/Time:	31/05/2016 1:44 PM

Company and Facility Details

Company Name:	PepsiCo Canada ULC
Business Number:	122216930
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 8th Floor - 5550 Explorer Drive City, Province/Territory, Postal Code: Mississauga Ontario L4W0C3 Country: Canada
Facility Name:	Cambridge Manufacturing
NAICS Code:	311919
NPRI ID:	4511
ON Reg 127/01 ID:	9191
Physical Address:	Address Line 1: 1001 Bishop Street North City, Province/Territory, Postal Code: Cambridge Ontario N3H4T7 Country: Canada Latitude: 43.39490 Longitude: -80.33250 UTM Zone: 17 UTM Easting: 554057 UTM Northing: 4804885

Parent Companies

Company Name:	PepsiCo Canada ULC
Business Number:	122216930
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 8th Floor - 5550 Explorer Drive City, Province/Territory, Postal Code: Mississauga Ontario L4W 0C3 Country: Canada

Contacts Details

Contact Type	Technical Contact, Person who prepared the report, Person who coordinated the preparation of the Toxics Reduction Plan
Name:	Rob Burgess
Position:	Environmental Coordinator
Telephone:	5196506108

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Email:	robert.burgess@pepsico.com
Contact Type	Certifying Official, Highest Ranking Employee
Name:	Calum MacLeod
Position:	Sr. Director Operations - PFC Cambridge
Telephone:	5196506152
Email:	calum.i.macleod@pepsico.com

General Information

Number of employees:	600
Activities for Which the 20,000-Hour Employee Threshold Does Not Apply:	None of the above
Activities Relevant to Reporting Dioxins, Furans and Hexachlorobenzene:	None of the above
Activities Relevant to Reporting of Polycyclic Aromatic Hydrocarbons (PAHs):	Wood preservation using creosote: No
Is this the first time the facility is reporting to the NPRI (under current or past ownership):	No
Is the facility controlled by another Canadian company or companies:	No
Did the facility report under other environmental regulations or permits:	No
Is the facility required to report one or more NPRI Part 4 substances (Criteria Air Contaminants):	Yes
Was the facility shut down for more than one week during the year:	No
Operating Schedule - Days of the Week:	Mon, Tue, Wed, Thu, Fri, Sat, Sun
Usual Number of Operating Hours per day:	24
Usual Daily Start Time (24h) (hh:mm):	07:00

Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
79-21-0	Peracetic acid (and its salts)	0.0010	N/A	N/A	N/A	tonnes
NA - M09	PM10 - Particulate Matter <= 10 Microns	9.8100	N/A	N/A	N/A	tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	9.8100	N/A	N/A	N/A	tonnes
7664-93-9	Sulphuric acid	N/A	N/A	N/A	N/A	tonnes

Applicable Programs

CAS RN	Substance Name	NPRI	ON MOE TRA	ON MOE Reg 127/01	First report for this substance to the ON MOE TRA
79-21-0	Peracetic acid (and its salts)	Yes	Yes		No
NA - M09	PM10 - Particulate Matter <= 10 Microns	Yes	Yes		No
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Yes	Yes		No
7664-93-9	Sulphuric acid	Yes	Yes		Yes

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

CAS RN	Substance Name	Was the substance released on-site	The substance will be reported as the sum of releases to all media (total of 1 tonne or less)	1 tonne or more of a Part 5 Substance (Speciated VOC) was released to air
79-21-0	Peracetic acid (and its salts)	Yes	No	No
7664-93-9	Sulphuric acid	No	No	No

General Information about the Substance - Disposals and Off-site Transfers for Recycling

CAS RN	Substance Name	Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal	Is the facility required to report on disposals of tailings and waste rock for the selected reporting period	Was the substance transferred off-site for recycling
79-21-0	Peracetic acid (and its salts)	No	No	No
7664-93-9	Sulphuric acid	No	No	No

General Information about the Substance - Nature of Activities

CAS RN	Substance Name	Manufacture the Substance	Process the Substance	Otherwise Use of the Substance
79-21-0	Peracetic acid (and its salts)			As a physical or chemical processing aid
7664-93-9	Sulphuric acid			As a physical or chemical processing aid

Substances added to/removed from the report

CAS RN	Substance Name	Added/Removed	Comment
7664-93-9	Sulphuric acid	Added	The site implemented a new process into its water treatment facility which included the increased use of sulphuric acid

TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained	Quantity	Use ranges for public reporting
79-21-0	Peracetic acid (and its salts)	Use	18.25 tonnes	No
79-21-0	Peracetic acid (and its salts)	Creation	0.00 tonnes	No
79-21-0	Peracetic acid (and its salts)	Contained	0.00 tonnes	No
NA - M09	PM10 - Particulate Matter <= 10 Microns	Use	0.00 tonnes	No
NA - M09	PM10 - Particulate Matter <= 10 Microns	Creation	9.81 tonnes	No
NA - M09	PM10 - Particulate Matter <= 10 Microns	Contained		
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Use	0.00 tonnes	No
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Creation	9.81 tonnes	No
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Contained		
7664-93-9	Sulphuric acid	Use	129.99 tonnes	No
7664-93-9	Sulphuric acid	Creation	0.00 tonnes	No
7664-93-9	Sulphuric acid	Contained	0.00 tonnes	No

TRA Quantifications - Others

CAS RN	Substance Name	Change in Method of Quantification	Reasons for Change	Description of how the change impact tracking and quantification of the substance	Incidents out of the normal course of events	Significant Process Change
79-21-0	Peracetic acid (and its salts)					Yes
NA - M09	PM10 - Particulate Matter <= 10 Microns					No
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns					No
7664-93-9	Sulphuric acid					Yes

On-site Releases - Releases to air

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
79-21-0	Peracetic acid (and its salts)	Stack or Point Releases	O - Engineering Estimates		0.001 tonnes
NA - M09	PM10 - Particulate Matter <= 10 Microns	Stack or Point Releases	O - Engineering Estimates		9.81 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Stack or Point Releases	O - Engineering Estimates		9.81 tonnes

On-site Releases - Releases to air - Total

CAS RN	Substance Name	Total - Releases to Air
79-21-0	Peracetic acid (and its salts)	0.001 tonnes
NA - M09	PM10 - Particulate Matter <= 10 Microns	9.81 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	9.81 tonnes

On-site Releases - Total

CAS RN	Substance Name	Total releases
79-21-0	Peracetic acid (and its salts)	0.001 tonnes

On-site Releases - Quarterly Breakdown of Annual Releases

CAS RN	Substance Name	Quarter 1	Quarter 2	Quarter 3	Quarter 4
79-21-0	Peracetic acid (and its salts)	25	25	25	25

On-site Releases - Monthly Breakdown of Annual Releases

CAS RN	Substance Name	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
NA - M09	PM10 - Particulate Matter <= 10 Microns	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34	8.33	8.33	8.34

On-site Releases - Reasons for Changes in Quantities Released from Previous Year

CAS RN	Substance Name	Reasons for Changes in Quantities Disposed from Previous Year	Comments (Disposals)
7664-93-9	Sulphuric acid	Not applicable (first year reporting this substance)	
79-21-0	Peracetic acid (and its salts)	Other (specify in On-site Releases comment field)	No incidents on site
NA - M09	PM10 - Particulate Matter <= 10 Microns	No significant change (i.e. < 10%) or no change	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No significant change (i.e. < 10%) or no change	

Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities Disposed from Previous Year	Comments (Disposals)
7664-93-9	Sulphuric acid		Not applicable (first year reporting this substance)	Increased use of substance in 2015 in wastewater treatment process.
79-21-0	Peracetic acid (and its salts)		Other (specify in On-site Releases comment field)	The site increased its use of the chemical product that contains Peracetic acid in order to increase the amount of recycled water that the site used in place of fresh water

Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
7664-93-9	Sulphuric acid		Not applicable (first year reporting this substance)	
79-21-0	Peracetic acid (and its salts)		No significant change (i.e. < 10%) or no change	

Comparison Report - Enters, Creation, Contained in Product

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
79-21-0	Peracetic acid (and its salts)	No	Enters the facility (Use)	18.25 tonnes	11.11 tonnes	2014	7.14	64.27
79-21-0	Peracetic acid (and its salts)	No	Creation	0.00 tonnes	0.00 tonnes	2014	0.00	
79-21-0	Peracetic acid (and its salts)	No	Contained	0.00 tonnes	0.00 tonnes	2014	0.00	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Enters the facility (Use)	0.00 tonnes	0.00 tonnes	2014	0.00	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Creation	9.81 tonnes	10.12 tonnes	2014	-0.31	-3.06
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Enters the facility (Use)	0.00 tonnes	0.00 tonnes	2014	0.00	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Creation	9.81 tonnes	10.12 tonnes	2014	-0.31	-3.06

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
79-21-0	Peracetic acid (and its salts)	Other	The site used much more of the commercial chemical product which contains the Peracetic acid than previous year due to increased water recycling undertaken by the site
NA - M09	PM10 - Particulate Matter <= 10 Microns	No reasons - quantities approximately the same	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No reasons - quantities approximately the same	

Comparison Report - On-site Releases

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
79-21-0	Peracetic acid (and its salts)	No	Total Releases to Air	0.001 tonnes	0 tonnes	2014	0.001	100
79-21-0	Peracetic acid (and its salts)	No	Total Releases to Water	0 tonnes	0 tonnes	2014	0	
79-21-0	Peracetic acid (and its salts)	No	Total Releases to Land	0 tonnes	0 tonnes	2014	0	
79-21-0	Peracetic acid (and its salts)	No	Total Releases to All Media	0 tonnes	0.001 tonnes	2014	-0.001	-100
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Air	9.81 tonnes	10.12 tonnes	2014	-0.31	-3.06
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Water	0 tonnes	0 tonnes	2014	0	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to Land	0 tonnes	0 tonnes	2014	0	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No	Total Releases to All Media	0 tonnes	0 tonnes	2014	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Air	9.81 tonnes	10.12 tonnes	2014	-0.31	-3.06
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Water	0 tonnes	0 tonnes	2014	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to Land	0 tonnes	0 tonnes	2014	0	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No	Total Releases to All Media	0 tonnes	0 tonnes	2014	0	

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

CAS RN	Substance Name	Reason(s) for Change	Other Reason
79-21-0	Peracetic acid (and its salts)	No reasons - quantities approximately the same	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No reasons - quantities approximately the same	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No reasons - quantities approximately the same	

Pollution Prevention

Does the facility have a documented pollution prevention plan?

Yes

a) Please check all that apply

Plan was prepared or implemented on a voluntary basis.

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

Yes

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

Energy conservation
Water conservation

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

The site has a mature energy and water management plan

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

Yes

Pollution Prevention Activities

Category	Activity	Name and description of the other activity
Equipment or Process Modifications		
Good Operating Practice or Training		
Inventory Management or Purchasing Techniques		
Materials or feedstock substitution		
On-site Re-use, Recycling, or Recovery	Instituted recirculation within a process	water recycling and heat recovery
Other Pollution Prevention Activities		
Product Design or Reformulation		
Spill or Leak Prevention Activities		

Progress on TRA Plan - Objectives

CAS RN	Substance Name	Objectives
79-21-0	Peracetic acid (and its salts)	PepsiCo Foods Canada will evaluate multiple options to reduce its use of peracetic acid
NA - M09	PM10 - Particulate Matter <= 10 Microns	Frito Lay will reduce its creation of Particulate Matter through equipment modification and spill and leak prevention

CAS RN	Substance Name	Objectives
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Frito Lay plans to reduce Particulate Matter through equipment modification and spill and leak prevention

Progress on TRA Plan - Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
79-21-0	Peracetic acid (and its salts)	7.90 tonnes	5	Evaluate centrifuge pilot study for removing more starch from recycled; Water to reduce amount of peracetic acid reacting with organics; Evaluate leak detection system (moisture sensor) in spill pallets to automatically trigger solenoid to shut off valve; b) Evaluate pressure sensor to notify when Tsunami tote runs out to prevent potential overdosing (will also improve process); b) Evaluate pressure sensor to notify when Tsunami tote runs out to prevent potential overdosing (will also improve process); b) Prevent peels and drips from entering wash box and thus from entering recycling system (e.g. cover or screen)
NA - M09	PM10 - Particulate Matter <= 10 Microns	No quantity target	No timeline target	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No quantity target	No timeline target	

Progress on TRA Plan - Description

CAS RN	Substance Name	Quantity	Years	Description of Target
79-21-0	Peracetic acid (and its salts)	No quantity target	No timeline target	
NA - M09	PM10 - Particulate Matter <= 10 Microns	No quantity target	No timeline target	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No quantity target	No timeline target	

Progress on TRA Plan - Toxic Reduction Options Implemented

CAS RN	Substance Name	Activity	Steps that were taken in the reporting period to implement the toxic reduction option	Public summary of the description of the steps	Comparison of the steps that were described in the plan for implementation with the actual steps taken during the reporting period	Public summary of the comparison of the steps
79-21-0	Peracetic acid (and its salts)	Improved rinse equipment operations	option identified, and evaluation to be initiated this year	option identified, and evaluation to be initiated this year	potential reductions and tentative timetables developed	option identified, and evaluation to be initiated this year
79-21-0	Peracetic acid (and its salts)	Other	consider pressure sensors to prevent outages or overdoses	option identified, and evaluation to be identified this year	potential reductions and tentative timelines developed	option identified, and evaluation to be identified this year
79-21-0	Peracetic acid (and its salts)	Installed overflow alarms or automatic shut-off valves	evaluate leak detection system (moisture sensor) in spill pallets to automatically trigger solenoid to shut off the valve	evaluate leak detection for automatic valve closure	option completed	evaluate leak detection for automatic valve closure
79-21-0	Peracetic acid (and its salts)	Other	consider dosing pump for anti-foam and/or foam destruction nozzles	option identified, and evaluation to be initiated this year	potential reductions and tentative timelines developed	option identified, and evaluation to be initiated this year
79-21-0	Peracetic acid (and its salts)	Other	evaluate cover or screen to prevent recycling system contamination at wash box	option identified, and evaluation to be initiated this year	potential reductions and tentative timetables developed	option identified, and evaluation to be initiated this year
NA - M09	PM10 - Particulate Matter <= 10 Microns	Modified equipment, layout or piping	Modifications have been made to the exhaust fans on one of our plant processes in order to improve maintenance access, and additional spare parts have been obtained for our boiler and heat recovery system. Both of these steps will have a slightly positive effect on our air emissions	Improved maintenance access to a process exhaust and purchase of key spare parts in two other areas will have a positive effect on emissions	As planned and on-going, the site identifies and capitalizes equipment modifications so that equipment reliability and plant production are preserved - and air emissions	Improved maintenance access to a process exhaust and purchase of key spare parts in two other areas will have a positive effect on emissions
NA - M09	PM10 - Particulate Matter <= 10 Microns	Other	The three spill and leak prevention options suggested in our plan have been implemented, i.e. the rotary valve, a demister and the closure of an area exhaust vent to air	The site has installed a rotary valve and demister, and closed a plant exhaust to the outside	The site implemented the plan options for spills and leaks	The site has installed a rotary valve and demister, and closed a plant exhaust to the outside
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Modified equipment, layout or piping	Modifications have been made to the exhaust fans in one of our plant processes in order to improve maintenance access, and additional spare parts have been obtained for our boiler and heat recovery system. Both of these steps will have a slightly positive effect on our air emissions	Improved maintenance access to a process exhaust and purchase of key spare parts in two other areas will have a positive effect on emissions	As planned and on-going, the site identifies and capitalizes equipment modifications so that equipment reliability and plant production are preserved - as are air emissions	Improved maintenance access to a process exhaust and purchase of key spare parts in two other areas will have a positive effect on emissions
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Other	The three spill and leak prevention options suggested in our plan have been implemented, i.e. rotary valve, a demister and the closure of an area exhaust vent to air	The site has installed a rotary valve and demister, and closed a plant exhaust to the outside	The site implemented the plan options for spills and leaks	The site has installed a rotary valve and demister, and closed a plant exhaust to the outside

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Other	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Other	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Other	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the steps described:	0.01 tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Other	The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Other	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to steps described:	No Amount
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Other	The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Other	The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	Other	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the steps described:	No Amount

Progress on TRA Plan - Reductions due to Options Implemented - Good operator practice or training

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
79-21-0	Peracetic acid (and its salts)	Other	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
79-21-0	Peracetic acid (and its salts)	Other	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
79-21-0	Peracetic acid (and its salts)	Other	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the steps described:	No Amount
79-21-0	Peracetic acid (and its salts)	Other	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
79-21-0	Peracetic acid (and its salts)	Other	The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
79-21-0	Peracetic acid (and its salts)	Other	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to steps described:	No Amount
79-21-0	Peracetic acid (and its salts)	Other	The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described:	No Amount
79-21-0	Peracetic acid (and its salts)	Other	The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described:	No Amount
79-21-0	Peracetic acid (and its salts)	Other	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the steps described:	No Amount
79-21-0	Peracetic acid (and its salts)	Other	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
79-21-0	Peracetic acid (and its salts)	Other	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
79-21-0	Peracetic acid (and its salts)	Other	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the steps described:	No Amount
79-21-0	Peracetic acid (and its salts)	Other	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
79-21-0	Peracetic acid (and its salts)	Other	The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
79-21-0	Peracetic acid (and its salts)	Other	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to steps described:	No Amount
79-21-0	Peracetic acid (and its salts)	Other	The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described:	No Amount
79-21-0	Peracetic acid (and its salts)	Other	The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described:	No Amount
79-21-0	Peracetic acid (and its salts)	Other	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the steps described:	No Amount

Progress on TRA Plan - Additional Actions

CAS RN	Substance Name	Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance?	Describe any additional actions that were taken during the reporting period to achieve the plan's objectives	Provide a public summary of the description of the additional action taken
79-21-0	Peracetic acid (and its salts)	No		
NA - M09	PM10 - Particulate Matter <= 10 Microns	No		
	PM2.5 -			

CAS RN	Substance Name	Were any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance?	Describe any additional actions that were taken during the reporting period to achieve the plan's objectives	Provide a public summary of the description of the additional action taken
NA - M10	Particulate Matter <= 2.5 Microns	No		

Progress on TRA Plan - Reductions due to additional actions taken

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
79-21-0	Peracetic acid (and its salts)	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
79-21-0	Peracetic acid (and its salts)	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
79-21-0	Peracetic acid (and its salts)	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
79-21-0	Peracetic acid (and its salts)	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the additional actions.	
79-21-0	Peracetic acid (and its salts)	The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the additional actions.	
79-21-0	Peracetic acid (and its salts)	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
79-21-0	Peracetic acid (and its salts)	The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
79-21-0	Peracetic acid (and its salts)	The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
79-21-0	Peracetic acid (and its salts)	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - M09	PM10 - Particulate Matter <= 10 Microns	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the additional actions.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	

Progress on TRA Plan - Amendments

CAS RN	Substance Name	Were any amendments made to the toxic substance reduction plan during the reporting period	Description any amendments that were made to the toxic substance reduction plan during the reporting period	Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period
79-21-0	Peracetic acid (and its salts)	No		
NA - M09	PM10 - Particulate Matter <= 10 Microns	No		

CAS RN	Substance Name	Were any amendments made to the toxic substance reduction plan during the reporting period	Description any amendments that were made to the toxic substance reduction plan during the reporting period	Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	No		

Report Submission and Electronic Certification

NPRI - Electronic Statement of Certification

Specify the language of correspondence

English

Comments (optional)

I hereby certify that I have exercised due diligence to ensure that the submitted information is true and complete. The amounts and values for the facility(ies) identified below are accurate, based on reasonable estimates using available data. The data for the facility(ies) that I represent are hereby submitted to the programs identified below using the Single Window Reporting Application.

I also acknowledge that the data will be made public.

Note: Only the person identified as the Certifying Official or the authorized delegate should submit the report(s) identified below.

Company Name

PepsiCo Canada ULC

Certifying Official (or authorized delegate)

Calum MacLeod

Report Submitted by

Calum Macleod

I, the Certifying Official or authorized delegate, agree with the statements above and acknowledge that by pressing the "Submit Report(s)" button, I am electronically certifying and submitting the facility report(s) for the identified company to its affiliated programs.

ON MOE TRA - Electronic Certification Statement

Annual Report Certification Statement

As of 31/05/2016, I, Calum MacLeod, certify that I have read the reports on the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the information contained in the reports is factually accurate and the reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

TRA Substance List

CAS RN	Substance Name
79-21-0	Peracetic acid (and its salts)
NA - M09	PM10 - Particulate Matter <= 10 Microns
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns
7664-93-9	Sulphuric acid

Company Name

PepsiCo Canada ULC

Highest Ranking Employee

Calum MacLeod

Report Submitted by

Calum Macleod

Website address

I, the highest ranking employee, agree with the certification statement(s) above and acknowledge that by checking the box I am electronically signing the statement(s). I also acknowledge that by pressing the 'Submit Report(s)' button I am submitting the facility record(s)/report(s) for the identified facility to the Director under the Toxics Reduction Act, 2009. I also acknowledge that the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 provide the authority to the Director under the Act to make certain information as specified in subsection 27(5) of Ontario Regulation 455/09 available to the public.

Submitted Report

Period	Submission Date	Facility Name	Province	City	Programs
2015	31/05/2016	Cambridge Manufacturing	Ontario	Cambridge	NPRI, ON MOE TRA

Note: If there is a change in the contact information for the facility, a change in the owner or operator of the facility, if operations at the facility are terminated, or if information submitted for any previous year was mistaken or inaccurate, please update this information through SWIM or by



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