

Report Preview

Company Details

Name

Brimac Anodizing Ltd.

Address

542 Kipling Avenue, Toronto (Ontario)

Report Details

Report Status

Update 1 - Submitted

2013

Report Type

Inventory

Facility Name

BRIMAC ANODIZING (1985) LIMITED

Facility Address

542 Kipling Avenue, Toronto (Ontario)

Update Comments

revised material balance for nitric acid

Activity Details

Applicable Programs

Please select all that apply.

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

Select the appropriate person from the drop-down menu for each contact.

Facility Contacts

Select the appropriate person from the drop-down menu for each contact.

Technical Contact: *

Mark Cotter

Certifying Official (or authorized delegate): *

Colin Brighton

Highest Ranking Employee: *

Colin Brighton

Person who prepared the report: *

Mark Cotter

Person who coordinated the preparation of the Toxics Reduction Plan (required after a plan summary has been submitted)

Company Coordinator (optional)

Public Contact (optional)

Contractor Contact (optional)

Mark Cotter

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

Cotter Associates Ltd.

Reasons for adding/removing substances

Substances added to the report

Please indicate the reasons why the following substances were added to the report:

CAS RN	Substance Name	Comment: *
NA - 17	Nitrate ion in solution at pH >= 6.0	revised the material balance for nitric acid and use of nitric acid increased in 2013
7697-37-2	Nitric acid	use of the substance increased in 2013 and it exceeded the reporting threshold

Substances removed from the report

Please indicate the reasons why the following substances were removed from the report:

CAS RN	Substance Name	Comment: *
NA - 22	Phosphorus (total)	the use of the substance did not exceed the reporting threshold

Employees and Activities

Employees

Number of Employees *

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) *

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

Activities Relevant to Reporting of Polycyclic Aromatic Hydrocarbons (PAHs)

Did the following activity take place at the facility?

Wood preservation using creosote: *

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? *

No

Is the facility required to report one or more NPRI Part 4 substances (Criteria Air Contaminants)? *

No

If 'Yes' to reporting for one or more Part 4 substances: Was the facility shut down for more than one week during the year? **

Operating Schedule - Days of the Week **

Mon	Tue	Wed	Thu	Fri	Sat	Sun
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Operating Schedule - Hours **

Usual Number of Operating Hours per day

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

Shutdown Periods **

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

Empty

General Comments for Facility

Comments

Verify Facility Information

Company Information

Company Details

Company Legal Name

Brimac Anodizing Ltd.

Business Number

Mailing Address

Delivery Mode

PO Box

Rural Route Number

Address Line 1

City *

Province/Territory **

Postal Code: **

Country *

Facility Information

Facility *

NAICS Code *

NPRI ID *

Facility Physical Address

Address Line 1

City

Province/Territory

Postal Code

Country

Additional Information

Land Survey Description

National Topographical Description

Geographical Address

Latitude **

Longitude **

UTM Zone **

UTM Easting **

UTM Northing **

Facility Contacts

Contact Types

Technical Contact

First Name: *

Last Name: *

Position: *

Telephone: *

Ext

Fax

Email: *

Mailing Address

Delivery Mode

PO Box

Rural Route Number

Address Line 1

City *

Province/Territory **

Postal Code: **

L5H3W6

Country *

Canada

Certifying Official

First Name: *

Colin

Last Name: *

Brighton

Position: *

President

Telephone: *

4162554411

Ext

Fax

Email: *

brimac@brimacanodizing.com

Mailing Address

Delivery Mode

General Delivery

PO Box

Rural Route Number

Address Line 1

542 Kipling Avenue

City *

Toronto

Province/Territory **

Ontario

Postal Code: **

M8Z5E3

Country *

Canada

Highest Ranking Employee

First Name: *

Colin

Last Name: *

Brighton

Position: *

President

Telephone: *

Ext

Fax

Email: *

Mailing Address

Delivery Mode

PO Box

Rural Route Number

Address Line 1

City *

Province/Territory **

Postal Code: **

Country *

Person who prepared the report

First Name: *

Last Name: *

Position: *

Telephone: *

Ext

Fax

Email: *

Mailing Address

Delivery Mode

PO Box

Rural Route Number

Address Line 1

City *

Province/Territory **

Postal Code: **

Country *

Contractor Contact

First Name: *

Last Name: *

Position: *

Telephone: *

Ext

Fax

Email: *

Mailing Address

Delivery Mode

PO Box

Rural Route Number

Address Line 1

City *

Province/Territory **

Postal Code: **

Country *

Canada

Pollution Prevention

Pollution Prevention Plans

Does the facility have a documented pollution prevention plan? *

Yes

If 'Yes'

a) Please check all that apply

Plan was prepared or implemented for another government jurisdiction (i.e. other Federal government department, province, municipality). Specify name in comments field below.

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

No

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

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

toxics reduction plan was prepared for sulphuric acid. A plan will be created in 2014 for nitric acid and nitrates

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

7664-93-9, Sulphuric acid

7664-93-9, Sulphuric acid

Substance Reporting Status

Applicable Programs

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

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. *

Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) *

No

Would you like to create an exit record for this ON MOE TRA substance? *

No

Comments

General Information about the Substance

Releases and Transfers of the Substance

Releases and Transfers of the Substance

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? *

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? *

Yes

Nature of Activities *

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

Manufacture the Substance

Process the Substance

Otherwise Use of the Substance

TRA Quantifications

Enters the facility (Use), Creation, Contained in Product for ON MOE TRA

Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) **

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

Creation

The amount of substance that is created

Quantity (Tonnes) **

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

Contained in Product

The amount of substance contained in product

Quantity (Tonnes) **

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

Change in Method of Quantification

- There has been a change in the method or combination of methods used to track and quantify the substance during the previous calendar year

Describe the changes **

Select the reason for change: **

Describe how the change impact tracking and quantification of the substance **

Incidents out of the normal course of events

- There have been incidents out of the normal course of events that occurred at the facility during the previous calendar year that affected the results of tracking/quantification of this substance.

Explain how tracking and quantifications were affected **

Significant Process Change

- There has been a significant process change at the facility during the previous calendar year.

On-site Releases

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

Enter the values for releases to air for the substance

Releases to Air

Category	Basis Of Estimate	Quantity (Tonnes)
Stack or Point Releases	O - Engineering Estimates	0.034
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

0.034

Enter the values for releases to water bodies

Releases to Water Bodies

Category	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

Releases to Land

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

Total - Releases to Land

Total Quantity Released

0.034

Breakdown of Annual Releases

Distribute Equally

Quarterly Breakdown *

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

25	25	25	25
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Total %

100

Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons *

Changes in production levels

Comments ? (On-Site Releases) **

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Disposals

Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

Changes in production levels

Comments? (Disposals)

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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 "Validate" button.

Off-site Transfers

Category	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	NA - Not Applicable	
Recovery of Inorganic Materials (not metals)	NA - Not Applicable	
Recovery of Acids and Bases	O - Engineering Estimates	1.366
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

1.366

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 "+" 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 Acids and Bases

Basis of Estimate

O - Engineering Estimates

Quantity (Tonnes)

1.366

Off-site

Off-Site Name	Quantity (Tonnes)	Address
Sodrox Chemicals Ltd.	1.366	RR #6, Guelph, ON, Canada

Total Assigned (must equal total reported)

1.366

Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons *

Changes in production levels

Comments? (Recycling)

Comparison Report: Enters, Creation, Contained in Product

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report.

Therefore, you will be required to update all values and texts.

Enters the facility (Use)

Enters the facility (Use)

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
33.506	21.111	2011	12.395	58.71

Creation

Creation

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0.000	0.00	2011	0.000	

Contained in Product

Contained in Product

Quantity (Tonnes)	Last Reported Quantity	Reporting Period of Last Reported	Change	% Change
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(Tonnes) *		Quantity *		
0.000	0.0	2011	0.000	

Reasons for Change

Reasons for Change

Reason(s) for Change

Increase in production levels

(please specify)

Comparison Report: On-site Releases

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

Total Releases to Air

Total Releases to Air

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0.034	0.021	2011	0.013	61.90

Total Releases to Water

Total Releases to Water

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2011	0	

Total Releases to Land

Total Releases to Land

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
0	0	2011	0	

Reasons for Change

Reasons for Change

Reason(s) for Change

Increase in production levels

(please specify)

Comparison Report: Transfers off-site for Recycling

Ensure that "Last Reported Quantity" and the "Reporting Period of the last reported quantity" reflect current year's reporting to the last year's values. If you selected the pre-population function, the exact values in your previous year's report will be inserted into the current year's template, including the comparison report. Therefore, you will be required to update all values and texts.

Total off-site Transfers for Recycling

Total off-site Transfers for Recycling

Quantity (Tonnes)	Last Reported Quantity (Tonnes) *	Reporting Period of Last Reported Quantity *	Change	% Change
1.366	1.937	2011	-0.571	-29.48

Reasons for Change

Reasons for Change

Reason(s) for Change

Other

(please specify)

Substance is periodically transferred off-site for recycling. Change in amount simply reflects a change in the number of transfers from one calendar year to another.

(please specify): Substance is periodically transferred off-site for recycling. Change in amount simply reflects a change in the number of transfers from one calendar year to another.

7697-37-2, Nitric acid

7697-37-2, Nitric acid

Substance Reporting Status

Applicable Programs

NPRI - Does this substance meet the criteria specified in the Canada Gazette notice? Selecting "No"

indicates voluntary reporting of this substance to the NPRI. *

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. *

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) *

Would you like to create an exit record for this ON MOE TRA substance? *

Comments

General Information about the Substance

Releases and Transfers of the Substance

Releases and Transfers of the Substance

Was the substance released on-site? *

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? *

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? *

Nature of Activities *

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

such activities.

Manufacture the Substance

Process the Substance

Otherwise Use of the Substance

TRA Quantifications

Enters the facility (Use), Creation, Contained in Product for ON MOE TRA

Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) **

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

Creation

The amount of substance that is created

Quantity (Tonnes) **

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

Contained in Product

The amount of substance contained in product

Quantity (Tonnes) **

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

No

Change in Method of Quantification

There has been a change in the method or combination of methods used to track and quantify the substance during the previous calendar year

Describe the changes **

Select the reason for change: **

Describe how the change impact tracking and quantification of the substance **

Incidents out of the normal course of events

There have been incidents out of the normal course of events that occurred at the facility during the previous calendar year that affected the results of tracking/quantification of this substance.

Explain how tracking and quantifications were affected **

Significant Process Change

There has been a significant process change at the facility during the previous calendar year.

On-site Releases

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

Enter the values for releases to air for the substance

Releases to Air

Category	Basis Of Estimate	Quantity (Tonnes)
Stack or Point Releases	O - Engineering Estimates	0.585
Storage or Handling Releases	NA - Not Applicable	
Fugitive Releases	NA - Not Applicable	

Spills	NA - Not Applicable	
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Other Non-point Releases	NA - Not Applicable	
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Total - Releases to Air

0.585

Enter the values for releases to water bodies

Releases to Water Bodies

Category	Basis Of Estimate	Quantity (Tonnes)
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Direct Discharges	NA - Not Applicable	
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Spills	NA - Not Applicable	
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Leaks	NA - Not Applicable	
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Total - Releases to Water Bodies

Enter the values for releases to land

Releases to Land

Category	Basis Of Estimate	Quantity (Tonnes)
----------	-------------------	-------------------

Spills	NA - Not Applicable	
--------	---------------------	--

Leaks	NA - Not Applicable	
-------	---------------------	--

Other	NA - Not Applicable	
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Total - Releases to Land

Total Quantity Released

0.585

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 *

Changes in production levels

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)

substance is not disposed but there is no option to state that

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 "Validate" button.

Off-site Transfers

Category	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	NA - Not Applicable	
Recovery of Inorganic Materials (not metals)	NA - Not Applicable	
Recovery of Acids and Bases	O - Engineering Estimates	0.410
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

0.410

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 "+" 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 Acids and Bases

Basis of Estimate

O - Engineering Estimates

Quantity (Tonnes)

0.410

Off-site

Off-Site Name	Quantity (Tonnes)	Address
Sodrox Chemicals Ltd.	0.410	RR #6, Guelph, ON, Canada

Total Assigned (must equal total reported)

0.410

Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons *

Changes in production levels

Comments? (Recycling)

NA - 17, Nitrate ion in solution at pH >= 6.0

NA - 17, Nitrate ion in solution at pH >= 6.0

Substance Reporting Status

Applicable Programs

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

Yes

ON MOE TRA - Does this substance meet the criteria specified in the Ontario Regulation 455/09 under the TRA? Selecting "No" indicates voluntary reporting of this substance to the ON MOE. *

Yes

Is this considered the first report for this substance to the ON MOE TRA? (Please select "Help" for further clarification) *

Yes

Would you like to create an exit record for this ON MOE TRA substance? *

No

Comments

General Information about the Substance

Releases and Transfers of the Substance

Releases and Transfers of the Substance

Was the substance released on-site? *

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? *

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? *

Nature of Activities *

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

Manufacture the Substance

Process the Substance

Otherwise Use of the Substance

TRA Quantifications

Enters the facility (Use), Creation, Contained in Product for ON MOE TRA

Enters the facility (Use)

The amount of substance that enters a process as the substance itself or part of another substance, rolled up at the facility level.

Quantity (Tonnes) **

0

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

No

Creation

The amount of substance that is created

Quantity (Tonnes) **

11.118

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

No

Contained in Product

The amount of substance contained in product

Quantity (Tonnes) **

0

Do you want to use ranges for public reporting? If "No" is selected you are indicating that any report to the public may contain the exact quantity provided. *

No

Change in Method of Quantification

There has been a change in the method or combination of methods used to track and quantify the substance during the previous calendar year

Describe the changes **

Select the reason for change: **

Describe how the change impact tracking and quantification of the substance **

Incidents out of the normal course of events

- There have been incidents out of the normal course of events that occurred at the facility during the previous calendar year that affected the results of tracking/quantification of this substance.

Explain how tracking and quantifications were affected **

Significant Process Change

- There has been a significant process change at the facility during the previous calendar year.

On-site Releases

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

Reasons for Changes in Quantities Released from Previous Year

Select the applicable reason or reasons *

Comments ? (On-Site Releases) **

Disposals

Reasons Why Substance Was Disposed

Select one or more reasons

On-site Disposal (excluding Tailings and Waste Rock)

Click "Edit" to enter your reportable values. In order to calculate totals, you must click the "Validate" button.

On-site Disposal

Category	Basis Of Estimate	Quantity (Tonnes)
<input type="text" value="Landfill"/>	<input type="text" value="NA - Not Applicable"/>	<input type="text"/>
<input type="text" value="Land Treatment"/>	<input type="text" value="NA - Not Applicable"/>	<input type="text"/>

Underground Injection	NA - Not Applicable	
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Total - On-site Disposals

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Off-site Disposal (excluding Tailings and Waste Rock)

Off-site Disposal

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

Total - Off-site Disposals

--

Off-site Transfers (excluding Tailings and Waste Rock)

Off-site Transfers for Treatment Prior to Final Disposal

Category	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	C - Mass Balance	11.118

Total - Treatment Prior to Final Disposal

11.118

Total Quantity Disposed (All Media)

11.118

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 "+" 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

Municipal Sewage Treatment Plant

Basis of Estimate

C - Mass Balance

Quantity (Tonnes)

11.118

Off-site

Off-Site Name	Quantity (Tonnes)	Address
Metropolitan Toronto Humber Bay Water Treatment Plant	11.118	130 The Queensway, Toronto, ON, Canada

Total Assigned (must equal total reported)

11.118

Reasons for Changes in Quantities Disposed from Previous Year

Select the applicable reason or reasons.

Changes in production levels

Comments? (Disposals)

Recycling

Reasons for Changes in Quantities Recycled from Previous Year

Select the applicable reason or reasons *

Not applicable (first year reporting this substance)

Comments? (Recycling)

Post Plan Substance Details

7664-93-9, Sulphuric acid

7664-93-9, Sulphuric acid

Objectives, Description and Targets

This information is read-only and is pulled directly from your most recent submitted Plan Summary. To make changes to the information on this screen, please update your plan summary and re-submit. For more details about updating the plan summary, please select "Help".

Objectives

Objectives in plan: *

none

Use Targets

What is the targeted reduction in use of the toxic substance at the facility? *

No quantity target

Quantity

Unit



or

What is the targeted timeframe for this reduction? *

No timeline target

years



or

Description of Target

Creation Targets

What is the targeted reduction in creation of the toxic substance at the facility? *

No quantity target

Quantity

Unit

or

What is the targeted timeframe for this reduction? *

No timeline target

years

or

Description of targets

Actions

Additional Actions

Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance? *

No

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: **

Reductions due to additional actions taken **

The amount of reduction in **use** of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

The amount of reduction in **creation** of the substance at the facility during the reporting period that resulted due to the additional actions.

No Amount

tonnes

The amount of reduction in the substance **contained in product** at the facility during the reporting period that resulted due to the additional actions.

No Amount tonnes

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.

No Amount tonnes

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.

No Amount tonnes

The amount of reduction in **release to land** of the substance at the facility during the reporting period that resulted due to additional actions.

No Amount tonnes

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.

No Amount tonnes

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.

No Amount tonnes

The amount of reduction in the substance **recycled off-site** at the facility during the reporting period that resulted due to the additional actions.

No Amount tonnes

Amendments

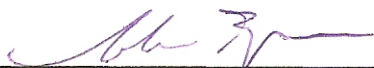
Amendments

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 **

As of June 1, 2013, I, Colin Brighton, certify that I have read the toxic substance reduction plans for sulphuric acid and am familiar with their 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.



Colin Brighton, President

June 1, 2013

Date