

Plan Summary Preview

Company Details

Company Legal Name:

General Chemical Performance

Company Address:

1686 Beaverdams Road, Thorold (Ontario)

Report Details

Facility:

General Chemical - Thorold

Facility Address:

1686 Beaverdams Road, Thorold (Ontario)

Update Comments:

Activities

Select the Facility Contacts

Contacts

Public Contact:*

Ron Holden

Highest Ranking Employee:

Ron Holden

Person responsible for Toxic Substance Reduction Plan preparation:

Chris Miller

Organization Validation

Company and Parent Company Information

Company Details

Company Legal Name:*

General Chemical Performance

Company Trade Name:*

General Chemical

Business Number:*

870686623

Mailing Address

Delivery Mode:

General Delivery

PO Box or Rural Route Number:

Address Line 1:

1686 Beaverdams Road

City:

Thorold

Province/Territory:

Ontario

Postal Code:

L2V3Y7

Physical Address

Address Line 1:

1686 Beaverdams Road

City:

Thorold

Province/Territory:

Ontario

Postal Code:

L2V3Y7

Additional Information:

Land Survey Description:

National Topographical Description:

Parent Companies

Facility Validation

Facility Information

Facility:*

General Chemical - Thorold

NAICS Id.:

325999

NPRI Id.:

0000000344

ON Reg 127/01 Id:

Mailing Address

Delivery Mode:

PO Box or Rural Route Number:

Address Line 1:

City:

Province/Territory:

Postal Code:

Physical Address

Address Line 1:

City:

Province/Territory:

Postal Code:

UTM Zone:

UTM Easting:

UTM Northing:

Latitude:

Longitude:

Additional Information:

Land Survey Description:

National Topographical Description:

Contact Validation

Contacts

Public Contact:

First Name:*

Last Name:*

Position:*

Telephone:*

Ext:

Fax:

Email:*

Mailing Address

Delivery Mode:

PO Box or Rural Route Number:

Address Line 1:

City:

Province/Territory:

Postal Code:

Highest Ranking Employee:

First Name:*

Last Name:*

Position:*

Telephone:*

Ext:

Fax:

Email:*

Mailing Address

Delivery Mode:

PO Box or Rural Route Number:

Address Line 1:

City:

Province/Territory:

Postal Code:

Person responsible for the Toxic Substance Reduction Plan preparation:

First Name:*

Last Name:*

Position:*

Telephone:*

Ext:

Fax:

Email:*

Mailing Address

Delivery Mode:

PO Box or Rural Route Number:

Address Line 1:

City:

Province/Territory:

Postal Code:

Employees

Employees

Number of Full-time Employees:*

Substances

7664-93-9, Sulphuric acid

7664-93-9, Sulphuric acid

Substances Section Data

Statement of Intent

Use

Is there a statement that the owner or operator of the facility intends to reduce the use of the toxic substance at the facility?:*

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the use of the toxic substance at the facility:**

If 'no', reason in the facility's TRA Plan for no intent to reduce the use of the toxic substance at the facility:**

The General Chemical – Thorold facility (Facility) is constrained in the amount of sulphuric acid it can reduce. Sulphuric acid is a critical raw material in the production of aluminum sulphate (alum), the only product produced and sold by the Facility. There is currently no substitute for the substance. Additionally, the Facility has taken significant steps to reduce the use of sulphuric acid in the past to the point that there are no other known reduction efforts that are technically or economically feasible. The Facility will not be reducing its use of sulphuric acid at this time.

In the recent past, emissions reduction and spill prevention measures have been implemented, when feasible. In 2010, the Facility installed an exhaust stack scrubbing system, reducing sulphuric acid air emissions by 95%. Frequent environmental reviews are conducted to identify opportunities for such pollution prevention efforts.

Creation

Is there a statement that the owner or operator of the facility intends to reduce the creation of the toxic substance at the facility?:*

No

If 'yes', exact statement of the intent that is included in the facility's TRA Plan to reduce the creation of the toxic substance at the facility:**

If 'no', reason in the facility's TRA Plan for no intent to reduce the creation of the toxic substance at the facility:**

Objectives, Targets and Description

Objectives

Objectives in plan:*

The General Chemical – Thorold facility (Facility) is constrained in the amount of sulphuric acid it can reduce. Sulphuric acid is a critical raw material in the production of aluminum sulphate (alum), the only product produced and sold by the Facility. There is currently no substitute for the substance. Additionally, the Facility has taken significant steps to reduce the use of sulphuric acid in the past to the point that there are no other known reduction efforts that are technically or economically feasible. The Facility will not be reducing its use of sulphuric acid at this time.

In the recent past, emissions reduction and spill prevention measures have been implemented, when feasible. In 2010, the Facility installed an exhaust stack scrubbing system, reducing sulphuric acid air emissions by 95%. Frequent environmental reviews are conducted to identify opportunities for such pollution prevention efforts.

Use Targets

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

		Quantity	Unit
<input checked="" type="checkbox"/>	No quantity target	or	
		<input type="text"/>	<input type="text"/>

What is the targeted timeframe for this reduction?*

<input checked="" type="checkbox"/>	No timeline target	or	<input type="text"/>	years
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Description of targets:

Creation Targets

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

		Quantity	Unit
<input checked="" type="checkbox"/>	No quantity target	or	
		<input type="text"/>	<input type="text"/>

What is the targeted timeframe for this reduction?*

<input checked="" type="checkbox"/>	No timeline target	or	<input type="text"/>	years
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Description of targets:

Reasons for Use

Why is the toxic substance used at the facility?:*

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

The Facility produces aluminum sulphate (Al₂(SO₄)₃), or alum, by using a batch process. The toxic substance, sulphuric acid enters the process as a raw material delivered by railcar

Reasons for Creation

Why is the toxic substance created at the facility?:*

This substance is not created at the facility

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

Toxic Reduction Options for Implementation

Description of the toxic reduction option(s) to be implemented:

Is there a statement that no option will be implemented?:*

Yes

If you answered "No" to this question, please add the option(s) under the appropriate Toxic Substance Reduction Categories (e.g. Materials or feedstock substitution, Product design or reformulation, etc.). If you answered "Yes" please provide an explanation below why your facility is not implementing an option.

Explanation of the reasons why no option will be implemented:**

After careful consideration and analysis of all alternatives, it was determined that there are no options which are technically and economically feasible at this time. Therefore no options will be implemented at this time. As stated in section 2, the Facility has already taken significant steps to reduce the use of sulphuric acid to the point that there are no other known reduction efforts that are technically or economically feasible.

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 why the listed options were chosen for implementation:

General description of any actions undertaken by the owner and operator of the facility to reduce the use and creation of the toxic substance at the facility that are outside of the plan:

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

TSRP0119

License Number of the toxic substance reduction planner who has certified the toxic substance

reduction plan for this substance (format TSRPXXXX):*

TSRP0119

What version of the plan is this summary based on?:*


New Plan

9) **Certifications**

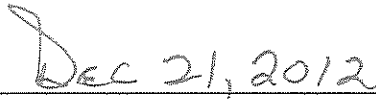
Highest Ranking Employee

As of December 21, 2012, I, Ron Holden, certify that I have read the report on the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the information contained in the report is factually accurate and the report complies with the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under that Act.

Toxic Substance: Sulphuric Acid



Signature

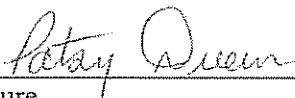


Date


Toxics Substance Reduction Planner

As of December 21, 2012, I, Patsy Duever, certify that I am familiar with the processes at General Chemical Performance Ltd. Thorold facility that use or create the toxic substance referred to below, 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 [insert version date] and that the plan complies with that *Act* and Ontario Regulation 455/09 (General) made under that *Act*.

Toxic Substance: Sulphuric Acid



Signature



Date