

# Plan Summary Preview

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## Company Details

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Company Legal Name:

Air Products Canada Ltd.

Company Address:

989 Derry Road, Mississauga (Ontario)

## Report Details

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Facility:

Nanticoke

Facility Address:

1020 Regional #3 Road, Nanticoke (Ontario)

Update Comments:

## Activities

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### Select the Facility Contacts

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#### Contacts

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Public Contact:\*

Keith Vanderwoude

Highest Ranking Employee:

Keith Vanderwoude

Person responsible for Toxic Substance Reduction Plan preparation:

Wasef Jamil

## Organization Validation

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### Company and Parent Company Information

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#### Company Details

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Company Legal Name:\*

Air Products Canada Ltd.

Company Trade Name:\*

Air Products Canada Ltd

Business Number:\*

**Mailing Address**

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Delivery Mode:

PO Box or Rural Route Number:

Address Line 1:

City:

Province/Territory:

Postal Code:

**Physical Address**

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Address Line 1:

City:

Province/Territory:

Postal Code:

Additional Information:

Land Survey Description:

National Topographical Description:

**Parent Companies**

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**Air Products Canada Ltd**

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Company Legal Name:\*

Percentage owned:\*

Business Number:\*

**Mailing Address**

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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:

Additional Information:

Land Survey Description:

National Topographical Description:

Air Products and Chemicals, Inc.

Company Legal Name:\*

Percentage owned:\*

Business Number:\*

Mailing Address

Delivery Mode:

PO Box or Rural Route Number:

Address Line 1:

City:

Province/Territory:

Postal Code:

Physical Address

Address Line 1:

City:	<input type="text" value="Allentown"/>
Province/Territory:	<input type="text" value="Pennsylvania"/>
Postal Code:	<input type="text" value="18195"/>
Additional Information:	<input type="text"/>
Land Survey Description:	<input type="text"/>
National Topographical Description:	<input type="text"/>

**AIR PRODUCTS CANADA**

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Company Legal Name:*	<input type="text" value="AIR PRODUCTS CANADA"/>
Percentage owned:*	<input type="text" value="50.00"/>
Business Number:*	<input type="text" value="877788000"/>

**Mailing Address**

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Delivery Mode:	<input type="text"/>
PO Box or Rural Route Number:	<input type="text"/>
Address Line 1:	<input type="text" value="7201 Hamilton Boulevard"/>
City:	<input type="text" value="Allentown"/>
Province/Territory:	<input type="text" value="Pennsylvania"/>
Postal Code:	<input type="text" value="18195"/>

**Physical Address**

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Address Line 1:	<input type="text" value="7201 Hamilton"/>
City:	<input type="text" value="Allentown"/>
Province/Territory:	<input type="text" value="Pennsylvania"/>
Postal Code:	<input type="text" value="18195-1501"/>
Additional Information:	<input type="text"/>
Land Survey Description:	<input type="text"/>

National Topographical Description:

## Facility Validation

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### Facility Information

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Facility:\*

Nanticoke

NAICS Id:\*

325120

NPRI Id:\*

0000003391

ON Reg 127/01 Id:

### Mailing Address

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Delivery Mode:

PO Box or Rural Route Number:

Address Line 1:

City:

Province/Territory:

Postal Code:

### Physical Address

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Address Line 1:

2100 Regional #3 Road

City:

Nanticoke

Province/Territory:

Ontario

Postal Code:

N0A1L0

UTM Zone:

17

UTM Easting:

573493

UTM Northing:

4742055

Latitude:

42.82770

Longitude:

-80.10060

Additional Information:

Land Survey Description:

National Topographical Description:

## Contact Validation

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### Contacts

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#### Public Contact:

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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:

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First Name:\*

Last Name:\*

Position:\*

Telephone:\* 5195872286  
Ext:   
Fax: 5195872963  
Email:\* vanderkd@airproducts.com

Mailing Address

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Delivery Mode: Post Office Box  
PO Box or Rural Route Number: 300  
Address Line 1:   
City: Nanticoke  
Province/Territory: Ontario  
Postal Code: N0A1L0

Person responsible for the Toxic Substance Reduction Plan preparation:

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First Name:\* Wasef  
Last Name:\* Jamil  
Position:\* Environmental Engineer  
Telephone:\* 6472021755  
Ext:   
Fax:   
Email:\* wasef.jamil@urs.com

Mailing Address

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Delivery Mode:   
PO Box or Rural Route Number:   
Address Line 1: 30 Leek Crescent  
City: Richmond Hill

Province/Territory:

Ontario

Postal Code:

L4B 4N4

## Employees

### Employees

Number of Full-time Employees:\*

47

## 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:\*\*

APC is committed to playing a leadership role in environmental sustainability and its stewardship by responsibly managing their environmental footprint, drive improvements and achieve environmental reduction goals for energy, greenhouse gases, waste and emissions, and water. Sulphuric acid is used as a pH neutralizer for the non-contact recirculating water at the Facility. Whenever feasible, APC will eliminate, or reduce the use of sulphuric acid in full compliance with all Federal and Provincial Regulations.

##### 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:\*\*



Sulphuric Acid is not created at the Facility

**Objectives, Targets and Description**

**Objectives**

Objectives in plan:\*

APC intends to monitor new methods and investigate ways to reduce or eliminate the use of sulphuric acid. At this time, a reduction target is not set but APC will monitor and implement any reduction option, whenever feasible

**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	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 150px; height: 25px;"></div> <div style="border: 1px solid black; width: 150px; height: 25px;"></div> </div>

What is the targeted timeframe for this reduction?\*

<input checked="" type="checkbox"/>	No timeline target	or	<div style="border: 1px solid black; width: 100px; height: 25px; display: inline-block;"></div> 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	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 150px; height: 25px;"></div> <div style="border: 1px solid black; width: 150px; height: 25px;"></div> </div>

What is the targeted timeframe for this reduction?\*

<input checked="" type="checkbox"/>	No timeline target	or	<div style="border: 1px solid black; width: 100px; height: 25px; display: inline-block;"></div> years
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Description of targets:

**Reasons for Use**

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

Ancillary other use

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

Sulphuric acid is used as the pH neutralizing means for the non-contact recirculating water. Based on a review of the purchase records from 2011, there were four deliveries of sulphuric acid brought to the Facility, totaling of 15,830 kg. Certificate of Analysis were also provided to APC by the chemical suppliers at the time of the deliveries. A review of one of the Certificate of Analyses indicated that the sulphuric acid solution had a concentration of 93.90%, meeting APC's desired specification of 93% concentrated. Based on the 93.90% concentration provided in the Certificate of Analysis, in 2011 the total amount of pure sulphuric acid brought to the Facility was 14,864 kg.

**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:\*\*

During the completion of the Toxic Substance Reduction Plan, the Planner addressed the MOE prescribed option categories which included materials or feedstock substitution, product design or reformulation, equipment or process modification, spill or leak prevention, on-site re-use, recycling or recovery, improved inventory management or purchasing techniques and good operator practice or training. Based on the reviewed options, there is one option that is identified in this TSRP for the potential reduction of sulphuric acid use at the Facility - Material or feedstock substitution. However whenever feasible, APC may further take the option into consideration with the APC's internal process engineers, the Facility manager and the chemical suppliers to evaluate the option closely for implementing at the Facility.

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):\*

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

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