

**SOURCE PROTECTION AUTHORITY  
ON-LINE VIDEO CONFERENCE  
AND IN-PERSON MEETING**

**Ball's Falls Centre for Conservation  
Glen Elgin Room  
3292 Sixth Avenue, Jordan, ON**

**Friday, April 22, 2022  
9:30 a.m.**

**A G E N D A**

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**CALL TO ORDER**

*The Niagara Peninsula watershed is situated within the traditional territory of the Haudenosaunee, Attiowonderonk (Neutral), and the Anishinaabeg, including the Mississaugas of the Credit—many of whom continue to live and work here today. This territory is covered by the Upper Canada Treaties (No. 3, 4, and 381) and is within the land protected by the Dish with One Spoon Wampum agreement. Today, the watershed is home to many First Nations, Métis, and Inuit peoples. Through the 2021-2031 Strategic Plan, we re-confirm our commitment to shared stewardship of natural resources and deep appreciation of Indigenous culture and history in the watershed.*

**1. APPROVAL OF AGENDA**

**2. DECLARATIONS OF CONFLICT OF INTEREST**

**3. APPROVAL OF MINUTES**

- a) Approval of the Minutes of the Source Protection Authority meeting dated April 16, 2021

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**4. CORRESPONDENCE**

**5. PRESENTATIONS**

- a) PowerPoint Presentation by Thomas Proks, Source Water Protection Coordinator RE: Niagara Peninsula Source Protection Area Overview and Updates (For Receipt)

Page # 4

**6. DELEGATIONS**

**7. CONSENT ITEMS**

**8. DISCUSSION ITEMS**

- a) Report No. SPA-01-22: 2021 Drinking Water Source Protection Annual Progress Reporting (For Approval)

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**9. NEW BUSINESS**

**10. CLOSED SESSION (IF REQUIRED)**

**11. ADJOURNMENT**

**SOURCE PROTECTION AUTHORITY  
ONLINE TELECONFERENCE  
MEETING MINUTES  
Friday, April 16, 2021  
9:30 A.M.**

**NOTE:** The archived recorded meeting is available on the NPCA website. The recorded video of the Source Protection Authority meeting is not considered the official record of that meeting. The official record of the Source Protection Authority meeting shall consist solely of the Minutes approved by the Source Protection Authority Board.

**MEMBERS PRESENT:**

- B. Johnson (Chair)
- S. Beattie
- R. Brady
- B. Clark
- D. Coon-Petersen
- D. Cridland
- L. Feor
- R. Foster
- J. Hellinga
- D. Huson
- J. Ingrao
- K. Kawall
- B. Mackenzie
- J. Metcalfe
- W. Rapley
- E. Smith
- B. Steele
- M. Woodhouse
- B. Wright

**MEMBERS ABSENT:**

- R. Shirton

**STAFF PRESENT:**

- C. Sharma, C.A.O. / Secretary – Treasurer
- G. Bivol, Clerk
- R. Bisson, Manager, Communications and Public Relations
- A. Christie, Director, Operations and Strategic Initiatives
- J. Culp, Supervisor, Permits and Compliance
- D. Deluce, Senior Manager, Planning and Regulations
- M. Ferrusi, Manager, Human Resources
- L. Gagnon, Director, Corporate Services
- N. Green, Project Manager, Strategic Plan
- S. Mastroianni, Manager, Planning and Development
- S. Miller, Senior Manager, Water Resources
- A. Powell, Manager, Conservation Area Services

T. Proks, Source Water Protection Co-ordinator  
G. Shaule, Administrative Assistant  
G. Verkade, Senior Manager, Integrated Watershed Planning /  
Information Management

The Chair called the meeting to order at 9:33 a.m..

## 1. APPROVAL OF AGENDA

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Resolution No. SPA-12-2021

Moved by Board Member Beattie

Seconded by Board Member Brady

**THAT** the agenda be hereby **APPROVED** as presented.

**CARRIED**

## 2. DECLARATIONS OF CONFLICT OF INTEREST

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None declared.

## 3. APPROVAL OF MINUTES

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- a) Approval of the Minutes of the Source Protection Authority meeting dated December 17, 2020

Resolution No. SPA-13-2021

Moved by Board Member Clark

Seconded by Board Member Cridland

**THAT** the minutes of the Source Protection Authority Board meeting dated December 17, 2020 **BE ADOPTED**.

**CARRIED**

## 4. CORRESPONDENCE

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None.

## 5. DISCUSSION ITEMS

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- a) Report No. SPA-01-21 RE: 2020 Drinking Water Source Protection Annual Progress Reporting - Thomas Proks, Source Water Protection Co-ordinator spoke to the report.

Resolution No. SPA-14-2021

Moved by Board Member Coon-Petersen

Seconded by Board Member Feor

1. **THAT** the Source Protection Authority for the Niagara Peninsula Source Protection Area (NPSPA) **RECEIVE** the following draft final report documents approved by the Source Protection Committee on March 23<sup>rd</sup> 2021 :



- a. NPSPA 2020 Drinking Water Source Protection (DWSP) Annual Progress Report;
    - This report concludes that the Source Protection Plan is progressing well and that all the policies are implemented.
    - This report is designed for the public and is intended to be posted on the NPSPA website.
  - b. NPSPA 2020 Policy Implementation Status Report;
    - This report displays each policy within the Source Protection Plan and its status of implementation.
  - c. NPSPA 2020 Policy Implementation Status Summary; and
    - This report displays a summary of total policy implementation status in the NPSPA.
  - d. NPSPA 2020 Supplemental Form.
    - This report displays all the detailed information required by the Ministry of the Environment, Conservation and Parks as it pertains to 2020 Drinking Water Source Protection annual progress reporting and Source Protection Plan implementation.
2. **THAT** the Source Protection Authority **APPROVE** that the aforementioned documents be submitted to the Ministry of the Environment, Conservation and Parks to meet the legislated reporting requirements; and
  3. **AND FURTHER THAT** the NPSPA 2020 Drinking Water Source Protection Annual Progress Report be **POSTED** on the Niagara Peninsula Source Protection Area website.

**CARRIED**

## 6. NEW BUSINESS

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There was no new business.

## 7. ADJOURNMENT

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With no further business, the Source Protection Authority adopted the following motion.

Resolution No. SPA-15-2021

Moved by Member Foster

Seconded by Member Feor

**THAT** the meeting **BE ADJOURNED** at 9:44 a.m..

**CARRIED**

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Brenda Johnson  
Chair  
Source Protection Authority

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Chandra Sharma  
Chief Administrative Officer / Secretary -  
Treasurer  
Source Protection Authority

# Niagara Peninsula Source Protection Area Overview and Updates

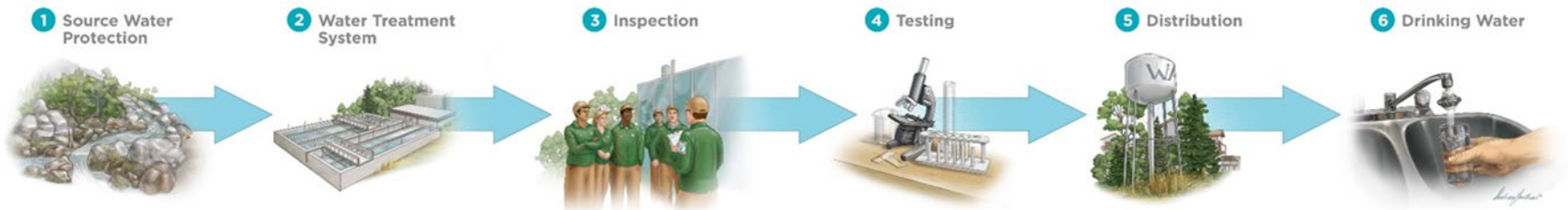
Niagara Peninsula Source Protection Authority

Thomas Proks, P.Geo.

April 22, 2022

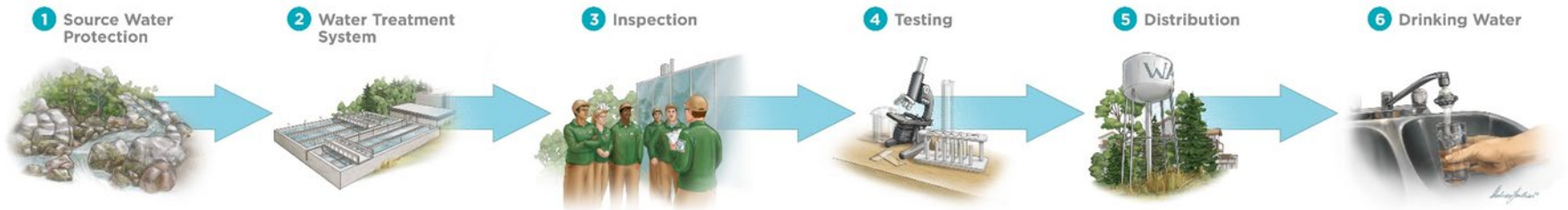
# Source Protection Program Context

- After the Walkerton tragedy in May 2000, Justice Dennis O'Connor was commissioned to lead an inquiry into the contamination of the Walkerton water supply and more broadly, the safety of Ontario's drinking water.
- *Clean Water Act*, 2006 (CWA) came into force July 3rd, 2007.
- First Principle - concept of prevention in the safeguarding of our drinking water for our communities and our health.



# Source Protection Program Context

- The CWA established 38 source protection areas within the Province generally based on Conservation Authority boundaries under the *Conservation Authorities Act*, 1990.
- Source protection plans are now in place for municipal residential drinking water systems within the 38 source protection areas, representing approximately **90% of the population** within those source protection areas.



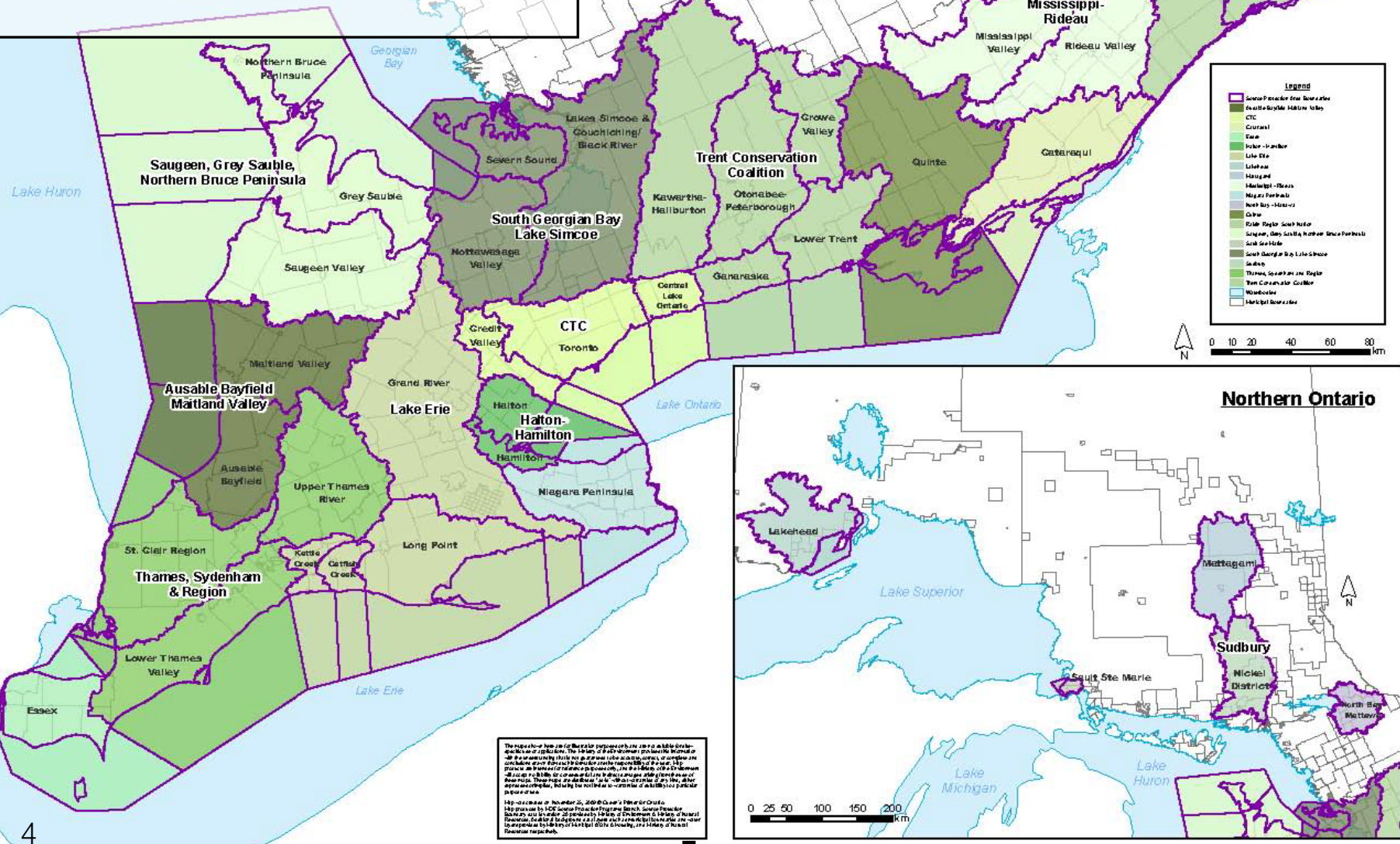


### Source Protection Areas & Regions

## Regulation 284/07

## Source Protection: Scope

**19 Source Protection Regions and Committees**  
**38 Source Protection Areas**







DRINKING WATER  
SOURCE PROTECTION  
ACT FOR CLEAN WATER

NPSA Assessment Report

Figure 5-5: Intake Protection Zones



Thursday, July 14, 2011



# Source Protection Process

## **Assessment Report (November 2013)**

- Vulnerable zones and vulnerability scores delineated
- Significant threats identified

## **Source Protection Plan (legal effect October 2014)**

- Policies to address significant threats
- Implementer timelines and responsibilities

## **Implementation of Source Protection Plan**

- By municipalities, provincial ministries, etc.
- Annual monitoring reporting by SPA

## **Updates to Assessment Report and Source Protection Plan (2018-Present)**

# Recent Changes

- CA Act amendments solidify Source Water Protection as a core mandate of the CA
- Provincial Funding for Source Water Protection continues with the first ever funding application for two year term
- Phase II Director's Technical Rule Amendments released in late 2021
- Early 2022 release of Best Practices guidance for Source Protection for other drinking water systems



# Upcoming Section 36 Update

- May 2021 - receipt of Section 36 deadline extension
  - previous deadline was March 2022; new deadline is to submit within 6 months of completing updates
- Source Water Protection Technical Work in process for three (3) Niagara Region Water Treatment Plants
  - Welland
  - Rosehill (Fort Erie)
  - Niagara Falls
- Can accommodate Phase II DTR changes as well

# Welland

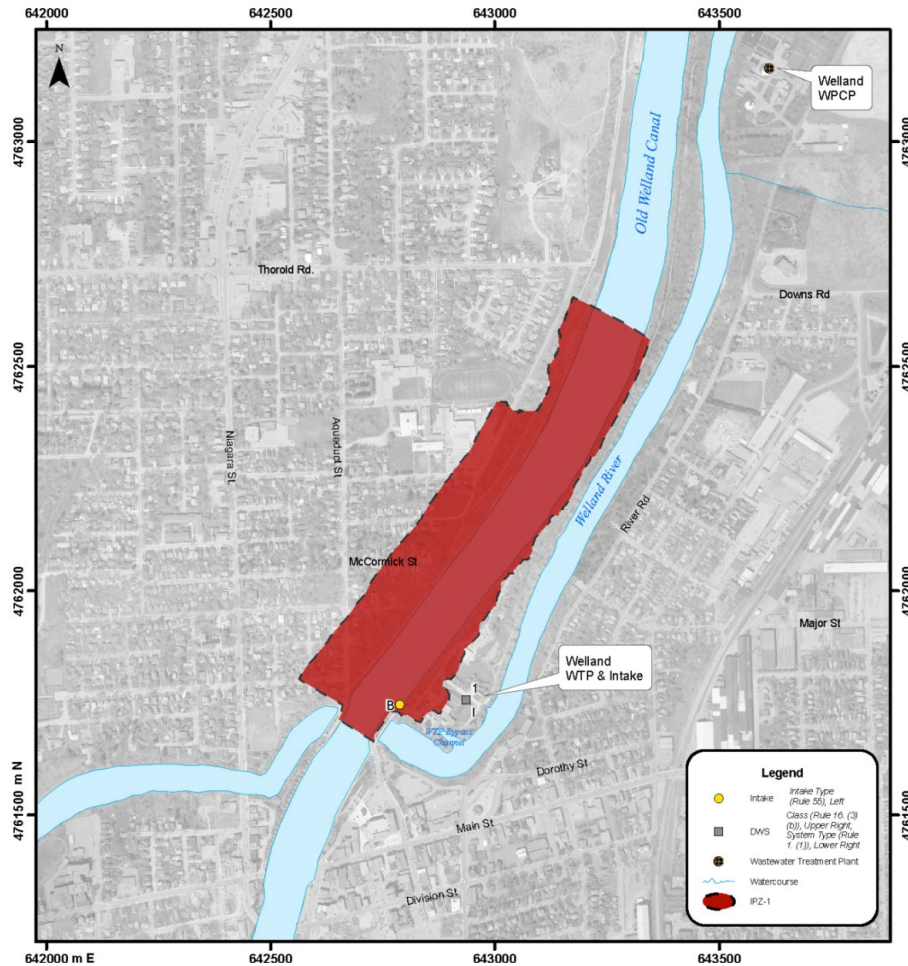


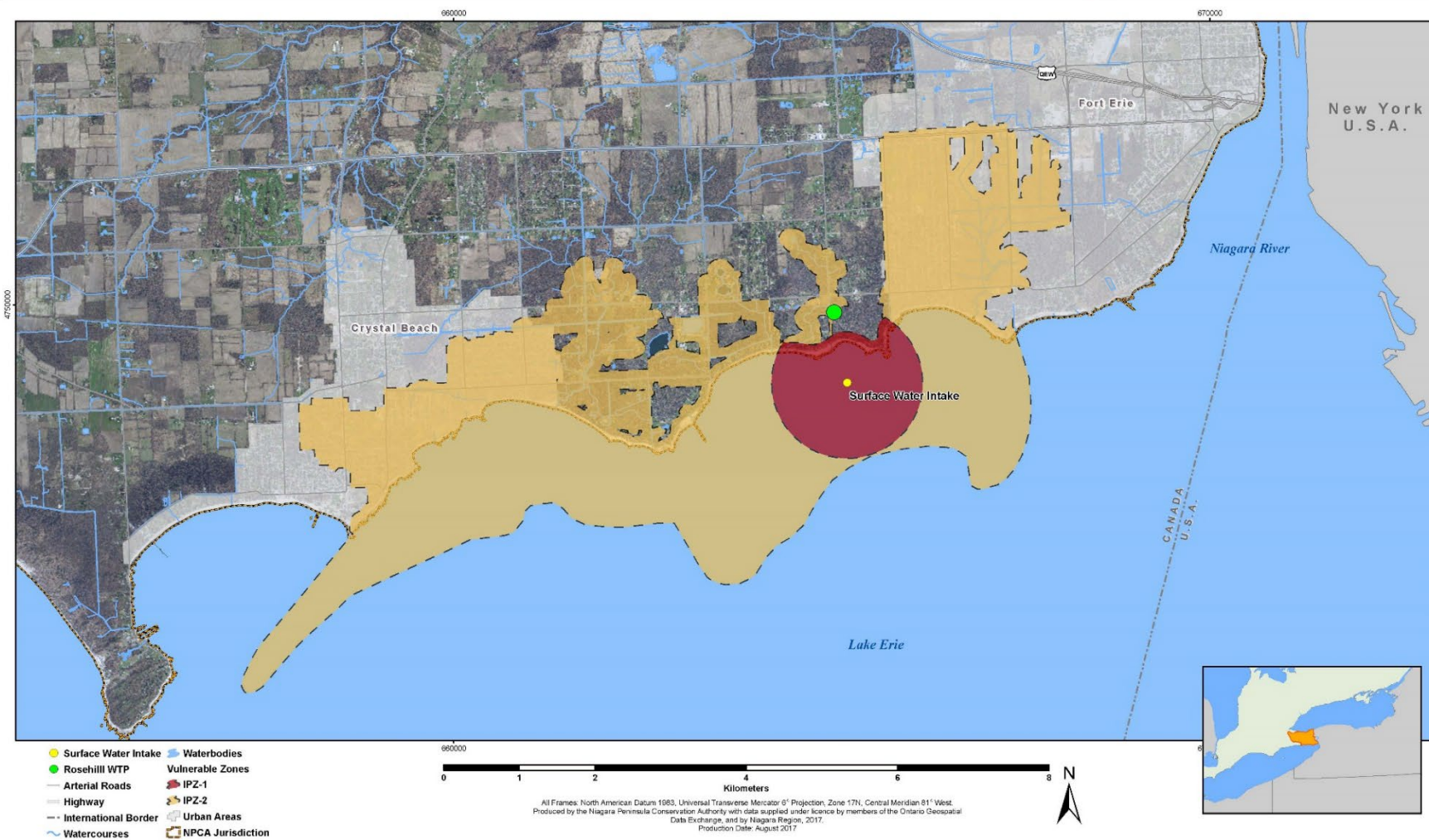
Figure 5: Rosehill IPZ-1/ IPZ-2



NIAGARA PENINSULA  
CONSERVATION  
AUTHORITY

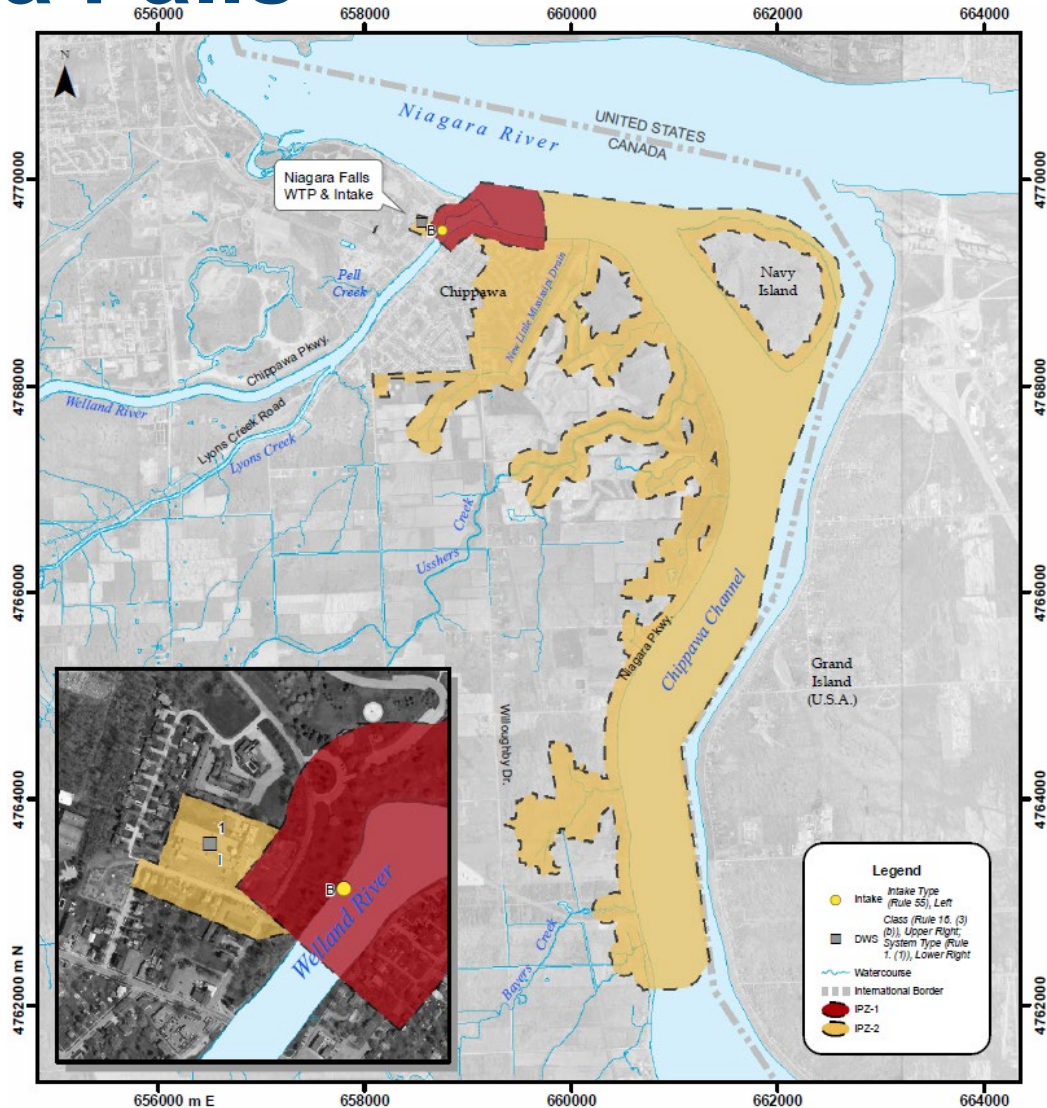


DRINKING WATER  
SOURCE PROTECTION  
ACT FOR CLEAN WATER





# Niagara Falls



# Moving Forward

- Continue CWA Annual Progress Reporting
- Accommodate technical work and additional updates to Assessment Report and Source Protection Plan
- Conduct Pre-consultation with affected stakeholders
- Finalize Assessment Report and Source Protection Plan updates
- Public Consultation
- SPA review and approval before final submission

# Thank You

For more information please refer to the DWSP Primer, visit our website at


[sourceprotection-niagara.ca](http://sourceprotection-niagara.ca)

or contact me directly

Thomas Proks, P.Geo.

905 – 788 – 3135 ext. 261

[tproks@npca.ca](mailto:tproks@npca.ca)



## Drinking Water Source Protection Primer: For Municipal Councillors


Your community relies on safe, sustainable drinking water. Protecting the water at its source is an important first step in the drinking water safety net.

Ontario has a comprehensive Drinking Water Source Protection Program to ensure sources of municipal drinking water are protected now and into the future. Under this program, local source protection plans developed under the *Clean Water Act, 2006*, are in place. These plans contain policies that protect municipal drinking water sources (water found in lakes, rivers and groundwater aquifers) from contamination and overuse.

**Meet your statutory standard of care responsibilities**

Source protection plans require municipalities to implement policies to protect the source water for their drinking water systems. The *Safe Drinking Water Act, 2002*, includes a statutory standard of care (section 19) for individuals with oversight responsibilities for municipal drinking water systems, including municipal councillors.

This standard ensures that you are practicing due diligence to protect public health when making decisions that could affect drinking water. This includes a consideration of the source water characteristics as well as the risks posed to it.



Learn more at: [ontario.ca/page/taking-care-your-drinking-water-guide-members-municipal-councils](http://ontario.ca/page/taking-care-your-drinking-water-guide-members-municipal-councils)

**Ensure source protection planning is in place**

New regulation 205/18 has been established under the *Safe Drinking Water Act, 2002*, to ensure that source protection planning is in place for new and changing municipal systems, before treated drinking water is provided to the public. The





# Drinking Water Source Protection Primer: For Municipal Councillors

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## Ensure source protection planning is in place

New regulation 205/18 has been established under the *Safe Drinking Water Act, 2002*, to ensure that source protection planning is in place for new and changing municipal systems, before treated drinking water is provided to the public. The



regulation came into effect on July 1, 2018. Municipal residential drinking water system owners are now responsible for ensuring that vulnerable areas are delineated and vulnerability scores are identified before they apply for a drinking water works permit. Source protection plans must also be amended and approved prior to the treated water being supplied to the public.

Notify your local conservation authority immediately, when planning changes to your drinking water systems, or planning for a new well/intake or a new system.

## Provincial Policy Statement

Municipalities and other planning authorities must follow the Provincial Policy Statement. Section 2.2.1 mandates planning authorities to protect, improve or restore the quality and quantity of water. This includes protecting vulnerable areas associated with drinking water sources.

## Be informed

- **Your constituents** may come to you with questions about the source of their drinking water supply. Find out how drinking water source protection benefits your region, and the cost of the protection. Know how many municipal wells/surface water intakes there are, where they are located, and who they serve in your municipality. Determine these with help from your municipal staff and local conservation authority.
- **Municipalities** are responsible for implementing more than half of the policies found in source protection plans. Many of these policies are legally binding.

Review the source protection plan for your area to find out what policies are to be implemented within your municipality and what actions are being taken to protect drinking water vulnerable areas.

- Understand how **source protection plan policies** can impact building requirements. Development applications and planning or building permits may be flagged at a municipality for land use planning policies. These applications or permits often need to be reviewed by the local risk management official (RMO) before they can be submitted to the municipality. Proposed activities may require a risk management plan, or in some cases are prohibited.
- When a **risk management plan** is needed, a risk management official works with the landowners/renters to develop a plan that contains measures to protect drinking water sources. A risk management plan is only required when a property is in a vulnerable area and the activity being undertaken poses a significant level risk to drinking water sources.
- **Sewage systems** identified under the *Clean Water Act* as causing significant level risks to drinking water sources, are subject to mandatory inspections through the *Building Code Act, 1992*.
- The Drinking Water Source Protection Program does not include **individual private wells**. A private well owner needs to regularly sample their water to test its quality, and properly maintain their well to protect water sources.

For more on source protection planning, visit [protectingwatermatters.ca](http://protectingwatermatters.ca).





## What's a vulnerable area?

Drinking water source protection is based on science. Local scientific data was used to create maps that show drinking water vulnerable areas. In these areas, we need to pay attention to activities causing contamination and overuse of our municipal drinking water sources.

To find out if a property is located in a drinking water vulnerable area, search the Source Protection Information Atlas at [ontario.ca/page/source-protection](https://ontario.ca/page/source-protection).

There are four types of vulnerable areas:

### 1. Wellhead protection areas (WHPAs)

are areas around municipal wells where the groundwater is travelling toward that well when the well is being pumped. These areas should be protected from risks to the quality and quantity of the drinking water source.

**2. Intake protection zones (IPZs)** are areas of land and water around surface water intakes that should be protected from risks to the quality and quantity of the drinking water source.

**3. Significant groundwater recharge areas (SGRAs)** are areas where a relatively high percentage of precipitation seeps into the ground to help maintain the water level in an aquifer that supplies a community or private residence with drinking water.

**4. Highly vulnerable aquifers (HVs)** are areas that are particularly susceptible to contamination based on factors such as the aquifer depth underground, the soil types, soil permeability and other characteristics of the surrounding soil or rock.

If a water quality issue is identified by source protection committees under the *Clean Water Act*, issue contributing areas (ICAs) can be delineated within the vulnerable areas. Examples of issues identified in Ontario include nitrate and sodium. Mandatory policies apply within issue contributing areas in order to ensure that the source water quality is protected or improved.

## Know the threats to drinking water sources

The *Clean Water Act* identifies activities that could pose a threat to drinking water sources under certain circumstances. These threat activities may be significant, moderate or low level risks. Identified threats include:

- Application, handling and storage of agricultural source material (such as manure), non-agricultural source material (such as biosolids), commercial fertilizer, and pesticides.
- Handling and storage of fuel, dense non-aqueous phase liquids (DNAPLs\*), and organic solvents.
- Management of aircraft de-icing chemical runoff.
- Land used for livestock grazing or pasturing, outdoor confinement areas, and farm-animal yards.
- Application, handling and storage of road salt, and storage of snow.
- The establishment, operation and maintenance of systems that collect, store, transmit, treat or dispose of sewage (such as septic systems and sewage treatment plants, stormwater management facilities).
- The establishment, operation and maintenance of waste disposal sites (such as landfills).
- Activities that take water from a water body without returning the water to the same water body.
- An activity that reduces the recharge of an aquifer.
- The establishment and operation of a liquid hydrocarbon pipeline (added in April 2018, through an amendment to the *Clean Water Act*).

*\*DNAPLs, or dense non-aqueous phase liquids, are a particularly hazardous group of substances that are heavier than water and are difficult to remove once they contaminate a water source.*



## Have you seen this Drinking Water Protection Zone sign?

These signs are appearing across Ontario to raise awareness about the vulnerability of our municipal drinking water sources. Governments at the local and provincial level are placing signs along roadways where a pollution spill could have a negative impact on our drinking water sources.



120 Bayview Pkwy  
Newmarket, ON L3Y 3W3  
**905-895-0716**



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**REPORT TO:** Source Protection Authority

**SUBJECT:** 2021 Drinking Water Source Protection Annual Progress Reporting

**REPORT NO:** SPA-01-22

**DATE:** April 22, 2022

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**RECOMMENDATION:**

1. **THAT** Report No. SPA-01-22: 2021 Drinking Water Source Protection Annual Progress Reporting **BE RECEIVED**.
2. **THAT** the Source Protection Authority for the Niagara Peninsula Source Protection Area (NPSPA) **RECEIVE** the following draft final report documents approved by the Source Protection Committee on March 29<sup>th</sup>, 2022:
  - a. NPSPA 2021 Drinking Water Source Protection (DWSP) Annual Progress Report;
    - This report concludes that the Source Protection Plan is progressing well and that all the policies are implemented.
    - This report is designed for the public and is intended to be posted on the NPSPA website.
  - b. NPSPA 2021 Policy Implementation Status Report;
    - This report displays each policy within the Source Protection Plan and its status of implementation.
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    - This report displays a summary of total policy implementation status in the NPSPA.
  - d. NPSPA 2021 Supplemental Form.
    - This report displays all the detailed information required by the Ministry of the Environment, Conservation and Parks as it pertains to 2021 Drinking Water Source Protection annual progress reporting and Source Protection Plan implementation.
3. **THAT** the Source Protection Authority **APPROVE** that the aforementioned documents be submitted to the Ministry of the Environment, Conservation and Parks to meet the legislated reporting requirements; and
4. **AND FURTHER THAT** the NPSPA 2021 Drinking Water Source Protection Annual Progress Report be **POSTED** on the Niagara Peninsula Source Protection Area website.

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## **PURPOSE:**

The 2021 Drinking Water Source Protection Annual Report documents are prepared using the Electronic Annual Reporting tool provided by the Ministry of Environment, Conservation and Parks. These documents are required under the Clean Water Act to summarize progress made in implementing the Source Protection Plan for 2021. These documents, once approved by both the Source Protection Committee and the Source Protection Authority, are then required to be submitted to the Ministry of the Environment, Conservation and Parks by May 1, 2022.

## **BACKGROUND:**

The Clean Water Act requires that implementing bodies, such as municipalities and the Ministry of the Environment, Conservation and Parks, report annually on the implementation of policies within the Source Protection Plan. Implementers provided this information to the Source Protection Authority staff by a combination of methods including email and phone.

The goal of annual reporting is to track and advise the public that the implementation of Source Protection Plans and their respective policies are protecting Ontario's municipal drinking water sources.

The requirement for annual progress reporting is established in the Clean Water Act. The Source Protection Authority is required to report using the Electronic Annual Reporting tool provided by the Ministry of the Environment, Conservation and Parks. Through the Electronic Annual Reporting tool, staff of the Source Protection Authority answer questions related to the implementation of the Source Protection Plan policies and then generate the following documents:

- I. NPSPA 2021 Drinking Water Source Protection Annual Progress Report – a report which is designed for the public and is to be posted on the Niagara Peninsula Source Protection Area website. It summarizes the progress made with respect to the implementation of the Source Protection Plan;
- II. NPSPA 2021 Policy Implementation Status Report – a report which displays the details of each policy within the Source Protection Plan and its status of implementation;
- III. NPSPA 2021 Policy Implementation Status Summary – a report which displays a summary of total policy implementation within the Niagara Peninsula Source Protection Area;
- IV. NPSPA 2021 Supplemental Form – a report which contains all the detailed information required by the Ministry of the Environment, Conservation and Parks as it pertains to 2021 Drinking Water Source Protection Annual Progress Reporting.

The completed reports are due to the Ministry of the Environment, Conservation and Parks by May 1, 2022, after which the NPSPA 2021 Annual Progress Report is to be made available to the public.



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## **SUMMARY:**

In summary, the 2021 Drinking Water Source Protection Annual Progress Reporting for the Niagara Peninsula Source Protection Area has progressed well. All the policies continue to be implemented, and all significant drinking water threats are addressed. For reference, the NPSPA 2021 Policy Implementation Status Report provides the rationale behind how each policy within the Source Protection Plan is being implemented.

These reports were presented to the Source Protection Committee for review at their recent March 29, 2022 teleconference meeting. The Source Protection Committee received and approved the information in these documents. Their comments were incorporated into the attached draft final reports. It is the Source Protection Committee's opinion that based on the information provided, all of the significant drinking water threats have been addressed and all of the policies are implemented.

## **RELATED REPORTS AND APPENDICES:**

Appendix 1: NPSPA 2021 Drinking Water Source Protection Annual Progress Report

Appendix 2: NPSPA 2021 Policy Implementation Status Report

Appendix 3: NPSPA 2021 Policy Implementation Status Summary

Appendix 4: NPSPA 2021 Supplemental Form

### **Prepared by:**

*Original Signed by:*

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Thomas Proks, P.Geo.  
Source Water Protection Coordinator

### **Reviewed by:**

*Original Signed by:*

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David Deluce, MCIP, RPP  
Senior Manager, Planning & Regulations

### **Submitted by:**

*Original Signed by:*

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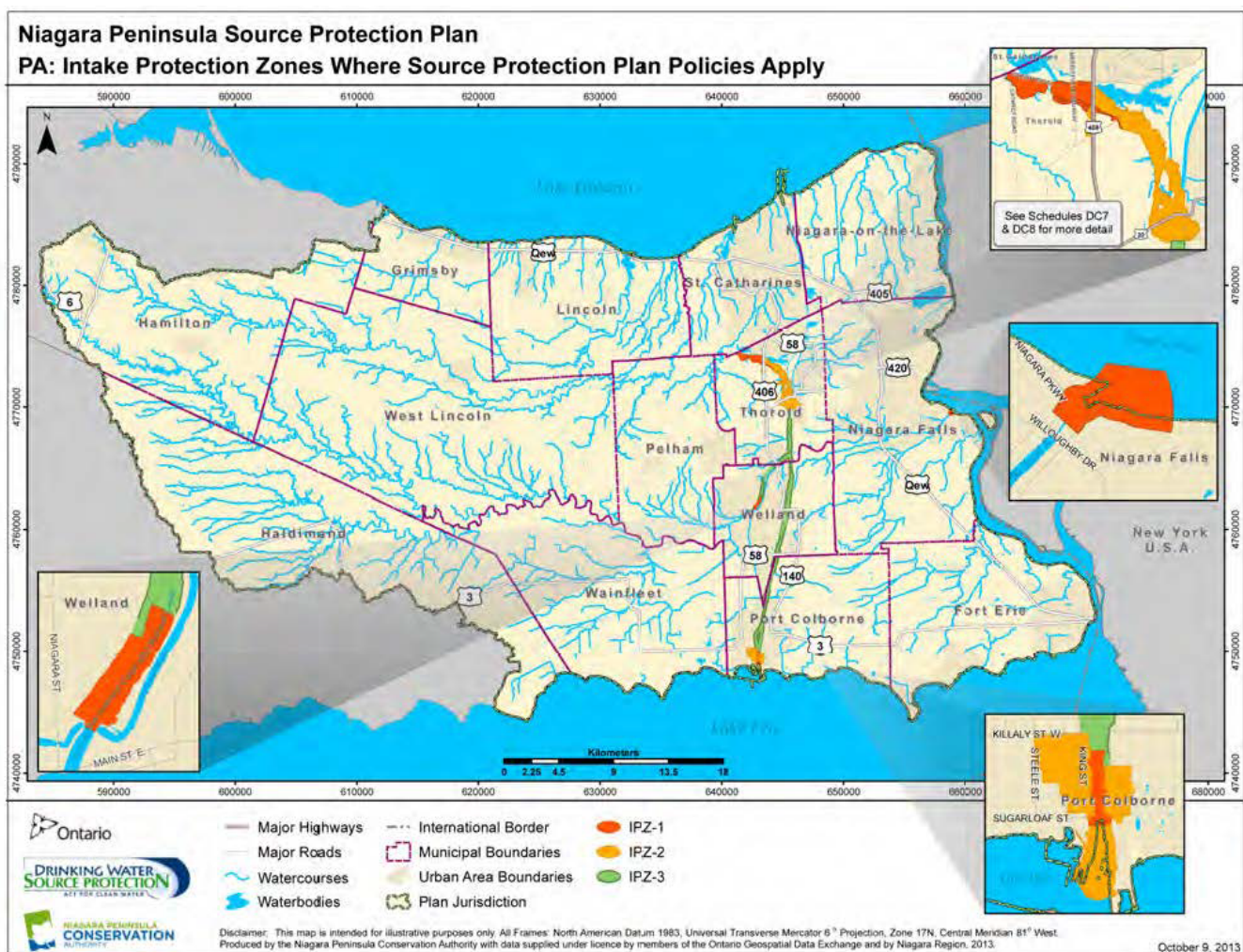
Chandra Sharma, MCIP, RPP  
CAO/Secretary-Treasurer

# Source Protection Annual Progress Report

## I. Introduction

This annual progress report outlines the progress made in implementing our source protection plan for the Niagara Peninsula Source Protection Area, as required by the Clean Water Act and regulations.

The Niagara Peninsula Source Protection Plan was completed and approved by the province in December 2013. The Niagara Peninsula Source Protection Plan came into effect October 2014. The Plan is entirely implemented. The Source Protection Committee is now focused on updating and improving the Source Protection Plan.



## II. A message from your local Source Protection Committee

- ☒ **P : Progressing Well/On Target – The majority of the source protection plan policies have been implemented and/or are progressing.**
- ☐ **S : Satisfactory – Some of the source protection plan policies have been implemented and/or are progressing.**
- ☐ **L : Limited progress – A few of source protection plan policies have been implemented and/or are progressing.**

The Source Protection Committee states that based on the information provided that all of the threats have been addressed and all of the policies are implemented.

### III. Our Watershed

To learn more, please read our assessment report(s) and source protection plan(s)

The Niagara Peninsula Source Protection Area overlies the same jurisdiction as the Niagara Peninsula Conservation Authority. With an area of 2,430 square kilometers and over 450,000 residents, it is comprised of three major drainage areas; Lake Ontario, Lake Erie, and Niagara River (including Welland River) drainage areas. NPCA contains over 180 watersheds within these drainage areas, and 117 kilometers of Great Lakes shoreline.

NPCA is marked by several prominent physiographic features that have had a major effect on development in the area. These features include the Niagara Escarpment which runs east-west across the peninsula, the relatively flat Haldimand Clay Plain which dominates the central portion of the watershed, the Iroquois Shore Sand Plain along Lake Ontario, the Fonthill Kame-Delta Complex which contains the highest point in the peninsula, and the Onondaga Escarpment which runs east-west across the peninsula just north of the Lake Erie shoreline and is of relatively low topographical relief.

The soils in the large central portion of the peninsula are dominated by clays, silty clays, and silty clay loams, characteristic of the Haldimand Clay Plain. Sands and sandy loams are found extensively along the Lake Ontario shoreline. Wetlands include bogs, fens, swamps, and marshes and encompassing almost 10% of the watershed.

Land uses can have a significant impact on the water quality and quantity. Approximately 64% is agricultural, and about 21% is rural wooded or natural. The remaining 15% is considered urban. The main urban centres include St. Catharines, Niagara Falls, and Welland. Urban growth is expected to be greatest along the Welland Canal corridor particularly in the southern portion of the peninsula.

There are six municipal water treatment plants with surface water intakes which supply over 80% of the population. There are no municipal wells. The six water treatment plants that supply municipal drinking water to residents are: Welland, DeCew Falls, Port Colborne, Niagara Falls, Grimsby and Rosehill (Fort Erie). Only Grimsby is on Lake Ontario, the remainder are on Lake Erie or a connecting channel (Welland Canal or Niagara River).

Vulnerable areas known as Intake Protection Zones (IPZs) were delineated around each municipal water treatment plant intake. The source protection program focused on drinking water threats within these IPZs. Existing and potential future threats within these IPZs were ranked and significant threats identified for policy action under the Source Protection Plan. The Source Protection Committee chose also to include transportation, storage and handling of diesel and gasoline along the Welland Canal as significant drinking water threats requiring addressing under the Source Protection Plan.

The Source Protection Plan contains policies to address significant drinking water threats for four water treatment plants, Welland, DeCew Falls, Port Colborne and Niagara Falls. No significant drinking water threats were determined for Grimsby or Rosehill (Fort Erie).



## IV. At a Glance: Progress on Source Protection Plan Implementation

### 1. Source Protection Plan Policies

P : Progressing Well/On Target

All of the policies (100%) that address significant drinking water threats have been implemented in accordance with the time lines set out in our source protection plan.

### 2. Municipal Progress: Addressing Risks on the Ground

There are a total of three (3) lower tier municipalities and one (1) upper-tier municipality in the source protection area that have vulnerable areas where significant drinking water threats apply. All three (3) of the lower tier municipalities (City of Thorold, City of Port Colborne, and City of Niagara Falls) have completed their Official Plan and Zoning By-law conformity exercises. The upper-tier municipality (Regional Municipality of Niagara) has also updated their Official Plan conformity exercise, however, the upper-tier municipality has no Zoning By-laws.

### 3. Septic Inspections

Not applicable to our source protection area.

### 4. Risk Management Plans

P : - Progressing Well/On Target

Since 2016, the Risk Management Official was able to dismiss 9 of the 24 potentially significant drinking water threats in the vicinity of the DeCew Falls IPZs identified in the Assessment Report. The remaining 15 significant drinking water threats are being managed under the required risk management plans.

## 5. Provincial Progress: Addressing Risks on the Ground

Several Ministries in Ontario are reviewing applications for new or amended and previously issued provincial approvals (e.g., Environmental Compliance Approvals issued under the Environmental Protection Act) where they have been identified as a tool in our plan to address activities that pose a significant risk to source water. The provincial approvals are either being issued, denied, amended, or revoked, where necessary to conform with plan policies in Niagara. The original policies written in Niagara provided a timeline of 3 years to complete the review and make any necessary changes to previously issued approvals. Any new or amended provincial approvals need to adhere to the Source Protection Plan policies since it took effect in October 2014. 100% of previously issued provincial approvals in the Niagara Peninsula Source Protection Area have been reviewed. In 2021, there were no new prescribed instruments which needed review.

## 6. Source Protection Awareness and Change in Behaviour

Twenty-three (23) drinking water protection zone signs have been installed in our source protection area along municipal and regional roads that are in close proximity to intake protection zones. Community engagement and outreach continue to have a positive impact in our source protection region through programs like Yellow Fish Road™ and the Children's Water Festival.

Other positive impacts include the consideration that is given to vulnerable areas within the Niagara Peninsula Source Protection Area including Intake Protection Zones and Highly Vulnerable Aquifers.

## 7. Source Protection Plan Policies: Summary of Delays

Not applicable to our source protection area.

## 8. Source Water Quality: Monitoring and Actions

Not applicable.

## 9. Science-based Assessment Reports: Work Plans

No work plans were required to be implemented for our assessment report.

## 10. More from the Watershed

Future 2022 source water protection activities include:

- Yellow Fish Road education and outreach within the City of Niagara Falls and the City of Port Colborne and at the Niagara Children's Water Festival
- Implementation of the work plan to update the Source Protection Plan to address: (i) required municipal updates and (ii) improving municipal supply protection
- Upcoming changes to municipal drinking water intakes and infrastructure projects near vulnerable areas.



Port Colborne Intake (upstream)



Niagara River  
Upstream of Niagara Falls Intake



Welland Intake



DeCew Intake Building



# Source Water Protection Annual Report

## 2021 - Policy Implementation Status

### SPR - Niagara Peninsula

**Implementing Body** Municipality  
**Policy Id** DC-1  
**Legal Effect** Conform with  
**Risk** Significant,  
**Agency** Municipality

**Policy Tool** Land Use Planning Approaches  
**Threat Type** Future

**Implementation Status:** Implemented

**Completed:** True

**Response:** Official Plan and Zoning By-Law have been updated, ECA are no longer issued where septage is a significant threat.

**Implementing Body** St. Lawrence Seaway Management Corporation  
**Policy Id** DC-10  
**Legal Effect** Strategic  
**Risk** Significant,  
**Agency** St. Lawrence Seaway Management Corporation

**Policy Tool** Specify Actions to be taken to implement plan or achieve its objectives  
**Threat Type** Future & Existing

**Implementation Status:** Implemented

**Completed:** True

**Response:** SLSMC has incorporated maps into their Emergency Response Plans, Emergency Response Plans communications protocols updated.

**Implementing Body** Transport Canada  
**Policy Id** DC-10  
**Legal Effect** Strategic  
**Risk** Significant,  
**Agency** Transport Canada

**Policy Tool** Specify Actions to be taken to implement plan or achieve its objectives  
**Threat Type** Future & Existing

**Implementation Status:** Implemented

**Completed:** True

**Response:** Same as above.



# Source Water Protection Annual Report 2021 - Policy Implementation Status

**Implementing Body** St. Lawrence Seaway Management Corporation  
**Policy Id** DC-11  
**Legal Effect** Strategic  
**Risk** Significant,  
**Agency** St. Lawrence Seaway Management Corporation

**Policy Tool**  
**Threat Type**

Specify Actions to be taken to implement plan or achieve its objectives  
Future & Existing

**Implementation Status:** Implemented

**Completed:** True

**Response:** Regulation SOR/2008-197 is SLSMC protocol.

**Implementing Body** Municipality  
**Policy Id** DC-2  
**Legal Effect** Conform with  
**Risk** Significant,  
**Agency** Municipality

**Policy Tool**  
**Threat Type**

Land Use Planning Approaches  
Future

**Implementation Status:** Implemented

**Completed:** True

**Response:** Official Plan and Zoning By-Law have been updated, process in place to ensure policy requirements are met.

**Implementing Body** Municipality  
**Policy Id** DC-3  
**Legal Effect** Conform with  
**Risk** Significant,  
**Agency** Municipality

**Policy Tool**  
**Threat Type**

Land Use Planning Approaches  
Future

**Implementation Status:** Implemented

**Completed:** True

**Response:** Official Plan and Zoning By-Law have been updated.

# Source Water Protection Annual Report 2021 - Policy Implementation Status

**Implementing Body**      **Risk Management Official**  
**Policy Id**                DC-4  
**Legal Effect**            Conform with  
**Risk**                        Significant,  
**Agency**                Risk Management Official

**Policy Tool**              Section 58 Risk Management Plans  
**Threat Type**            Future

**Implementation Status:**   Implemented

**Completed:**      True

**Response:**    Two parcels are residential and exempt, RMP for two parcels are signed, 1 parcel is mitigated through engineered solution, last 3 parcels have had implementation of RMP ordered through RMO in 2019.

**Implementing Body**      **Risk Management Official**  
**Policy Id**                DC-4  
**Legal Effect**            Conform with  
**Risk**                        Significant,  
**Agency**                Risk Management Official

**Policy Tool**              Section 58 Risk Management Plans  
**Threat Type**            Existing

**Implementation Status:**   Implemented

**Completed:**      True

**Response:**    Same as above.

**Implementing Body**      **Municipality**  
**Policy Id**                DC-5  
**Legal Effect**            Conform with  
**Risk**                        Significant,  
**Agency**                Municipality

**Policy Tool**              Section 59 Restricted Land Uses  
**Threat Type**            Future & Existing

**Implementation Status:**   Implemented

**Completed:**      True

**Response:**    RMO is in place, Region of Niagara has a screening checklist. For Thorold, the Official Plan was revised and the Zoning By-Law was updated in 2018.

# Source Water Protection Annual Report 2021 - Policy Implementation Status

**Implementing Body**      **Municipality**  
**Policy Id**                DC-6  
**Legal Effect**           Strategic  
**Risk**                        Significant,  
**Agency**                Municipality

**Policy Tool**            Education / Outreach  
**Threat Type**          Future & Existing

**Implementation Status:**   Implemented

**Completed:**      True

**Response:**    RMO Outreach and Education in coordination with landowner contacts

**Implementing Body**      **Municipality**  
**Policy Id**                DC-8  
**Legal Effect**           Conform with  
**Risk**                        Non Specific,  
**Agency**                Municipality

**Policy Tool**            Education / Outreach  
**Threat Type**          Future & Existing

**Implementation Status:**   Implemented

**Completed:**      True

**Response:**    Road signs have been installed in Thorold and on Hwy 406.

**Implementing Body**      **Municipality**  
**Policy Id**                DC-9  
**Legal Effect**           Conform with  
**Risk**                        Significant,  
**Agency**                Municipality

**Policy Tool**            Specify Actions to be taken to implement plan or achieve its objectives  
**Threat Type**          Future & Existing

**Implementation Status:**   Implemented

**Completed:**      True

**Response:**    Emergency Response Plans have been updated.

# Source Water Protection Annual Report 2021 - Policy Implementation Status

**Implementing Body**      **Municipality**  
**Policy Id**                NF-1  
**Legal Effect**            Conform with  
**Risk**                        Significant,  
**Agency**                Municipality

**Policy Tool**              Land Use Planning Approaches  
**Threat Type**            Future

**Implementation Status:**    Implemented

**Completed:**    True

**Response:**    Official Plan and Zoning By-Law have been updated, ECA are no longer issued where septage is a significant threat.

**Implementing Body**      **Municipality**  
**Policy Id**                NF-2  
**Legal Effect**            Conform with  
**Risk**                        Significant,  
**Agency**                Municipality

**Policy Tool**              Land Use Planning Approaches  
**Threat Type**            Future

**Implementation Status:**    Implemented

**Completed:**    True

**Response:**    Official Plan and Zoning By-Law have been updated, process in place to ensure policy requirements are met.

**Implementing Body**      **Municipality**  
**Policy Id**                NF-3  
**Legal Effect**            Conform with  
**Risk**                        Significant,  
**Agency**                Municipality

**Policy Tool**              Land Use Planning Approaches  
**Threat Type**            Future

**Implementation Status:**    Implemented

**Completed:**    True

**Response:**    Official Plan and Zoning By-Law have been updated

# Source Water Protection Annual Report 2021 - Policy Implementation Status

**Implementing Body** Conservation Authority  
**Policy Id** NF-4  
**Legal Effect** Conform with  
**Risk** Significant,  
**Agency** Conservation Authority

**Policy Tool** Education / Outreach  
**Threat Type** Future & Existing

**Implementation Status:** Implemented

**Completed:** True

**Response:** Through Yellow Fish Road program at Children's Water Festival.

**Implementing Body** Municipality  
**Policy Id** NF-5  
**Legal Effect** Conform with  
**Risk** Significant,  
**Agency** Municipality

**Policy Tool** Land Use Planning Approaches  
**Threat Type** Future

**Implementation Status:** Implemented

**Completed:** True

**Response:** Official Plan and Zoning By-law have been updated.

**Implementing Body** Municipality  
**Policy Id** NF-7  
**Legal Effect** Conform with  
**Risk** Non Specific,  
**Agency** Municipality

**Policy Tool** Education / Outreach  
**Threat Type** Future & Existing

**Implementation Status:** Implemented: Policy outcome(s) evaluated - No further action(s) required

**Completed:** True

**Response:** No arterial roads in Niagara Falls IPZ for road sign placement, possibly install signs after IPZ moves with Sec 36 update. MTO/MECP implemented.



# Source Water Protection Annual Report 2021 - Policy Implementation Status

**Implementing Body** Municipality  
**Policy Id** PC-1  
**Legal Effect** Conform with  
**Risk** Significant,  
**Agency** Municipality

**Policy Tool** Land Use Planning Approaches  
**Threat Type** Future

**Implementation Status:** Implemented

**Completed:** True

**Response:** Official Plan and Zoning By-Law have been updated, MECP standards in place to protect against significant threats

**Implementing Body** Municipality  
**Policy Id** PC-10  
**Legal Effect** Conform with  
**Risk** Significant,  
**Agency** Municipality

**Policy Tool** Education / Outreach  
**Threat Type** Future & Existing

**Implementation Status:** Implemented

**Completed:** True

**Response:** Niagara Snow School, Smart about Salt training and communications.

**Implementing Body** St. Lawrence Seaway Management Corporation  
**Policy Id** PC-11  
**Legal Effect** Strategic  
**Risk** Significant,  
**Agency** St. Lawrence Seaway Management Corporation

**Policy Tool** Specify Actions to be taken to implement plan or achieve its objectives  
**Threat Type** Future

**Implementation Status:** Implemented

**Completed:** True

**Response:** No new open road salt storage areas as per policy.

# Source Water Protection Annual Report 2021 - Policy Implementation Status

**Implementing Body** Risk Management Official  
**Policy Id** PC-13  
**Legal Effect** Conform with  
**Risk** Significant,  
**Agency** Risk Management Official

**Policy Tool** Section 57 Prohibition  
**Threat Type** Future

**Implementation Status:** Implemented

**Completed:** True

**Response:** Through updated Official Plan and Zoning By-Law

**Implementing Body** St. Lawrence Seaway Management Corporation  
**Policy Id** PC-14  
**Legal Effect** Strategic  
**Risk** Significant,  
**Agency** St. Lawrence Seaway Management Corporation

**Policy Tool** Specify Actions to be taken to implement plan or achieve its objectives  
**Threat Type** Future

**Implementation Status:** Implemented

**Completed:** True

**Response:** No plans for National Airport on SLSMC lands

**Implementing Body** Municipality  
**Policy Id** PC-15  
**Legal Effect** Conform with  
**Risk** Significant,  
**Agency** Municipality

**Policy Tool** Land Use Planning Approaches  
**Threat Type** Future

**Implementation Status:** Implemented

**Completed:** True

**Response:** Official Plan and Zoning By-Law have been updated, ECA are no longer issued where septage is a significant threat.

# Source Water Protection Annual Report 2021 - Policy Implementation Status

**Implementing Body**      **Municipality**  
**Policy Id**                PC-17  
**Legal Effect**            Conform with  
**Risk**                        Significant,  
**Agency**                Municipality

**Policy Tool**              Land Use Planning Approaches  
**Threat Type**            Future

**Implementation Status:**    Implemented

**Completed:**            True

**Response:**    Regional Official Plan and Zoning By-Laws updated.

**Implementing Body**      **Municipality**  
**Policy Id**                PC-18  
**Legal Effect**            Conform with  
**Risk**                        Significant,  
**Agency**                Municipality

**Policy Tool**              Specify Actions to be taken to implement plan or achieve its objectives  
**Threat Type**            Future & Existing

**Implementation Status:**    Implemented

**Completed:**            True

**Response:**    Through updated Official Plan and through Port Colborne's Storm Sewer Infrastructure Needs System (SSINS)

**Implementing Body**      **Conservation Authority**  
**Policy Id**                PC-19  
**Legal Effect**            Conform with  
**Risk**                        Significant,  
**Agency**                Conservation Authority

**Policy Tool**              Education / Outreach  
**Threat Type**            Future & Existing

**Implementation Status:**    Implemented

**Completed:**            True

**Response:**    Through Yellow Fish Road program.

# Source Water Protection Annual Report 2021 - Policy Implementation Status

**Implementing Body** St. Lawrence Seaway Management Corporation  
**Policy Id** PC-2  
**Legal Effect** Strategic  
**Risk** Significant,  
**Agency** St. Lawrence Seaway Management Corporation

**Policy Tool**  
**Threat Type**

Specify Actions to be taken to implement plan or achieve its objectives  
Future

**Implementation Status:** Implemented

**Completed:** True

**Response:** No new waste disposal sites located on Welland Canal Lands.

**Implementing Body** Municipality  
**Policy Id** PC-20  
**Legal Effect** Conform with  
**Risk** Significant,  
**Agency** Municipality

**Policy Tool**  
**Threat Type**

Land Use Planning Approaches  
Future

**Implementation Status:** Implemented

**Completed:** True

**Response:** Official Plan and Zoning By-Law have been updated, process in place to ensure policy requirements are met.

**Implementing Body** St. Lawrence Seaway Management Corporation  
**Policy Id** PC-21  
**Legal Effect** Strategic  
**Risk** Significant,  
**Agency** St. Lawrence Seaway Management Corporation

**Policy Tool**  
**Threat Type**

Specify Actions to be taken to implement plan or achieve its objectives  
Future

**Implementation Status:** Implemented

**Completed:** True

**Response:** No new sewer installations/discharges according to SLSMC

# Source Water Protection Annual Report 2021 - Policy Implementation Status

**Implementing Body** Municipality  
**Policy Id** PC-22  
**Legal Effect** Conform with  
**Risk** Significant,  
**Agency** Municipality

**Policy Tool** Land Use Planning Approaches  
**Threat Type** Future

**Implementation Status:** Implemented

**Completed:** True

**Response:** Official Plan and Zoning By-Law have been updated.

**Implementing Body** St. Lawrence Seaway Management Corporation  
**Policy Id** PC-23  
**Legal Effect** Strategic  
**Risk** Significant,  
**Agency** St. Lawrence Seaway Management Corporation

**Policy Tool** Specify Actions to be taken to implement plan or achieve its objectives  
**Threat Type** Future

**Implementation Status:** Implemented

**Completed:** True

**Response:** No new agricultural activities according to SLSMC.

**Implementing Body** Risk Management Official  
**Policy Id** PC-25  
**Legal Effect** Conform with  
**Risk** Significant,  
**Agency** Risk Management Official

**Policy Tool** Section 58 Risk Management Plans  
**Threat Type** Future

**Implementation Status:** Implemented

**Completed:** True

**Response:** Risk Management Official in place, no existing threats.



# Source Water Protection Annual Report 2021 - Policy Implementation Status

**Implementing Body** Risk Management Official  
**Policy Id** PC-25  
**Legal Effect** Conform with  
**Risk** Significant,  
**Agency** Risk Management Official

**Policy Tool** Section 58 Risk Management Plans  
**Threat Type** Existing

**Implementation Status:** Implemented

**Completed:** True

**Response:** Risk Management Official in place, no existing threats.

**Implementing Body** Municipality  
**Policy Id** PC-26  
**Legal Effect** Conform with  
**Risk** Significant,  
**Agency** Municipality

**Policy Tool** Section 59 Restricted Land Uses  
**Threat Type** Future & Existing

**Implementation Status:** Implemented

**Completed:** True

**Response:** RMO is in place, Region of Niagara has a screening checklist. For Port Colborne, the Official Plan was revised and the Zoning By-Law was updated in 2018.

**Implementing Body** St. Lawrence Seaway Management Corporation  
**Policy Id** PC-27  
**Legal Effect** Strategic  
**Risk** Significant,  
**Agency** St. Lawrence Seaway Management Corporation

**Policy Tool** Specify Actions to be taken to implement plan or achieve its objectives  
**Threat Type** Future & Existing

**Implementation Status:** Implemented

**Completed:** True

**Response:** SLSMC has existing protocols concerning pesticide application.

# Source Water Protection Annual Report 2021 - Policy Implementation Status

**Implementing Body** Municipality  
**Policy Id** PC-28  
**Legal Effect** Conform with  
**Risk** Non Specific,  
**Agency** Municipality

**Policy Tool** Education / Outreach  
**Threat Type** Future & Existing

**Implementation Status:** Implemented

**Completed:** True

**Response:** 10 Road signs installed in Port Colborne on various roads with IPZ-1 and IPZ-2.

**Implementing Body** Municipality  
**Policy Id** PC-29  
**Legal Effect** Strategic  
**Risk** Low, Moderate,  
**Agency** Municipality

**Policy Tool** Education / Outreach  
**Threat Type** Existing

**Implementation Status:** Implemented

**Completed:** True

**Response:** Through Niagara Snow School, Smart about Salt training and communications.

**Implementing Body** Municipality  
**Policy Id** PC-30  
**Legal Effect** Conform with  
**Risk** Significant,  
**Agency** Municipality

**Policy Tool** Specify Actions to be taken to implement plan or achieve its objectives  
**Threat Type** Future & Existing

**Implementation Status:** Implemented

**Completed:** True

**Response:** Emergency Response Plans have been updated.

# Source Water Protection Annual Report 2021 - Policy Implementation Status

**Implementing Body** St. Lawrence Seaway Management Corporation  
**Policy Id** PC-31  
**Legal Effect** Strategic  
**Risk** Significant,  
**Agency** St. Lawrence Seaway Management Corporation

**Policy Tool**  
**Threat Type**

Specify Actions to be taken to implement plan or achieve its objectives  
Future & Existing

**Implementation Status:** Implemented

**Completed:** True

**Response:** SLSMC have incorporated the maps into their ERP

**Implementing Body** Transport Canada  
**Policy Id** PC-31  
**Legal Effect** Strategic  
**Risk** Significant,  
**Agency** Transport Canada

**Policy Tool**  
**Threat Type**

Specify Actions to be taken to implement plan or achieve its objectives  
Future & Existing

**Implementation Status:** Implemented

**Completed:** True

**Response:** ERP communications protocol updated.

**Implementing Body** St. Lawrence Seaway Management Corporation  
**Policy Id** PC-32  
**Legal Effect** Strategic  
**Risk** Significant,  
**Agency** St. Lawrence Seaway Management Corporation

**Policy Tool**  
**Threat Type**

Specify Actions to be taken to implement plan or achieve its objectives  
Future & Existing

**Implementation Status:** Implemented

**Completed:** True

**Response:** Boom anchors have been installed.

# Source Water Protection Annual Report 2021 - Policy Implementation Status

**Implementing Body** Risk Management Official  
**Policy Id** PC-5  
**Legal Effect** Conform with  
**Risk** Significant,  
**Agency** Risk Management Official

**Policy Tool** Section 58 Risk Management Plans  
**Threat Type** Future

**Implementation Status:** Implemented

**Completed:** True

**Response:** Risk Management Official in place, no existing threats.

**Implementing Body** Municipality  
**Policy Id** PC-6  
**Legal Effect** Conform with  
**Risk** Significant,  
**Agency** Municipality

**Policy Tool** Section 59 Restricted Land Uses  
**Threat Type** Future & Existing

**Implementation Status:** Implemented

**Completed:** True

**Response:** RMO is in place, Region of Niagara has a screening checklist. For Port Colborne, the Official Plan was revised and the Zoning By-Law was updated in 2018.

**Implementing Body** St. Lawrence Seaway Management Corporation  
**Policy Id** PC-7  
**Legal Effect** Strategic  
**Risk** Significant,  
**Agency** St. Lawrence Seaway Management Corporation

**Policy Tool** Specify Actions to be taken to implement plan or achieve its objectives  
**Threat Type** Future & Existing

**Implementation Status:** Implemented

**Completed:** True

**Response:** Pesticides not stored on SLSMC lands as per SPP policy.

# Source Water Protection Annual Report 2021 - Policy Implementation Status

**Implementing Body**      **Municipality**  
**Policy Id**                PC-8  
**Legal Effect**            Conform with  
**Risk**                      Significant,  
**Agency**                Municipality

**Policy Tool**              Land Use Planning Approaches  
**Threat Type**            Future

**Implementation Status:**    Implemented

**Completed:**            True

**Response:**    Official Plan and Zoning By-Law have been updated

**Implementing Body**      **Municipality**  
**Policy Id**                PC-9  
**Legal Effect**            Conform with  
**Risk**                      Significant,  
**Agency**                Municipality

**Policy Tool**              Land Use Planning Approaches  
**Threat Type**            Future

**Implementation Status:**    Implemented

**Completed:**            True

**Response:**    Official Plan and Zoning By-Law have been updated

**Implementing Body**      **Municipality**  
**Policy Id**                WL-1  
**Legal Effect**            Conform with  
**Risk**                      Non Specific,  
**Agency**                Municipality

**Policy Tool**              Education / Outreach  
**Threat Type**            Future & Existing

**Implementation Status:**    Implemented

**Completed:**            True

**Response:**    Signs on Hwy 406 installed (MECP/MTO), Niagara Region signs installed in 2019, Welland does not have any arterial roads within the IPZ for signs to be installed on.



# Source Water Protection Annual Report 2021 - Policy Implementation Status

<b>Implementing Body</b>	<b>Municipality</b>		
<b>Policy Id</b>	WL-2	<b>Policy Tool</b>	Specify Actions to be taken to implement plan or achieve its objectives
<b>Legal Effect</b>	Conform with	<b>Threat Type</b>	Future & Existing
<b>Risk</b>	Significant,		
<b>Agency</b>	Municipality		
<b>Implementation Status:</b>	Implemented	<b>Completed:</b>	True
<b>Response:</b>	Emergency Response Plans have been updated.		

---

<b>Implementing Body</b>	<b>St. Lawrence Seaway Management Corporation</b>		
<b>Policy Id</b>	WL-3	<b>Policy Tool</b>	Specify Actions to be taken to implement plan or achieve its objectives
<b>Legal Effect</b>	Strategic	<b>Threat Type</b>	Future & Existing
<b>Risk</b>	Significant,		
<b>Agency</b>	St. Lawrence Seaway Management Corporation		
<b>Implementation Status:</b>	Implemented	<b>Completed:</b>	True
<b>Response:</b>	SLSMC have incorporated maps into their ERPs		

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<b>Implementing Body</b>	<b>Transport Canada</b>		
<b>Policy Id</b>	WL-3	<b>Policy Tool</b>	Specify Actions to be taken to implement plan or achieve its objectives
<b>Legal Effect</b>	Strategic	<b>Threat Type</b>	Future & Existing
<b>Risk</b>	Significant,		
<b>Agency</b>	Transport Canada		
<b>Implementation Status:</b>	Implemented	<b>Completed:</b>	True
<b>Response:</b>	ERPs have been updated.		

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# Source Water Protection Annual Report 2021 - Policy Implementation Status

**Implementing Body** St. Lawrence Seaway Management Corporation  
**Policy Id** WL-4  
**Legal Effect** Strategic  
**Risk** Significant,  
**Agency** St. Lawrence Seaway Management Corporation

**Policy Tool**  
**Threat Type**

Specify Actions to be taken to implement plan or achieve its objectives  
Future & Existing

**Implementation Status:** Implemented

**Completed:** True

**Response:** Regulation SOR/2008-197 is SLSMC protocol.

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# Source Water Protection Annual Report 2021 - Policy Implementation Status Summary SPR - Niagara Peninsula

## Implementation Status - Significant Legally Binding Policies

Implementation Status Category	Count of Plan Policies	Percent of Plan Policies
Implemented	45	92 %
No response required/not applicable	4	8 %
<b>TOTAL</b>	<b>49</b>	<b>100 %</b>



# Source Water Protection Annual Report 2021 - Policy Implementation Status Summary SPR - Niagara Peninsula

## Implementation Status - Significant Non Legally Binding Policies

Implementation Status Category	Count of Plan Policies	Percent of Plan Policies
Implemented	22	100 %
<b>TOTAL</b>	<hr/> 22	<hr/> 100 %



# Source Water Protection Annual Report 2021 - Policy Implementation Status Summary SPR - Niagara Peninsula

## Implementation Status - Moderate/Low Policies

### Implementation Status Category

Implemented

**TOTAL**

Count of Plan Policies	Percent of Plan Policies
2	100 %
<hr/> 2	<hr/> 100 %





# Source Water Protection Annual Report 2021 - Policy Implementation Status Summary SPR - Niagara Peninsula

## Implementation Status – Non-threat specific policies

### Implementation Status Category

Implemented

**TOTAL**

Count of Plan Policies	Percent of Plan Policies
4	100 %
<hr/> 4	<hr/> 100 %



# **Source Water Protection Annual Report 2021 - Policy Implementation Status Summary SPR - Niagara Peninsula**



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

3bbWVj &fa DWaf@a EB3Z #ZSS

Report Id	Completed	Question	
10	True	As applicable to your source protection region/area, indicate if all relevant implementing bodies submitted a status update/annual report to the source protection authority for the previous reporting year. If "No" is selected for any implementing body(ies), then please complete the Comments field below with details including the name of the specific implementing body along with an explanation, if available, for not submitting a status update/annual report as required by a monitoring policy. *NOTE: Where a listed implementing body(ies) is not applicable/relevant to your source protection region/area, then simply select "No" and explain that it is not an applicable implementing body in your source protection region/area in the Comments field text box.	
<b>Response</b>			<b>Answer</b>
Risk Management Official			Yes
Municipality			Yes
Conservation Authority			Yes
Local Health Unit			No
MECP - Waste Disposal Sites - Landfilling and Storage			No
MECP - Wastewater/Sewage Works			No
MECP - Pesticides			No
MECP - Hauled Sewage/Biosolids			Yes
MECP - Permit to Take Water			No
MECP - Municipal Residential Drinking Water Systems			No
MECP - Source Protection			Yes
MECP - Waste Disposal Sites - Landfilling and Storage Inspections			No
MECP - Wastewater/Sewage Works Inspections			No
MECP - Conditions Sites			No
MECP - NMA - ASM and NASM Inspections			No
OMAFRA			Yes
MNRF			No
MTO			Yes
MMAH			No
MGCS-TSSA			No
MENDM			No



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Provincial Board/Commission	No
Federal Departments/Agencies/Commissions/Crown Corporations	Yes
Private Entity/Company	No
Association/Organization	No
MECP - Hauled Sewage/Biosolids Inspections	Yes
MECP - Permit to Take Water Inspections	No
MECP - Municipal Residential Drinking Water Systems Inspections	No
MECP - Environmental Monitoring	No
MECP - Fuel	No
MECP - Great Lakes	No
MECP - Spills Response	No
MECP - Wells	No

**Comment:** For "No" answers, implementing body does not apply in Niagara Peninsula Source Protection Area.



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Report Id	Completed	Question	Category
20	True	Did the Source Protection Authority (i) indicate the status of all threat policies as contained in their source protection plan by using one of the two options outlined in the guidance document (ID 20a) AND (ii) either provide details in the response field text box in section 2 for policies with a "No Progress Made" and "No information available/no response received" implementation status OR complete the table as part of reportable ID 20b in the Excel Workbook for those policies with a "No Progress Made" and "No information available/no response received" implementation status (only if also submitting the Excel Workbook), especially for legally-binding policies that address significant drinking water threat activities and for any moderate/low threat policies that use prescribed instruments and Planning Act tools. Please refer to the instructions provided for EAR Reportable ID 20 in the Guidance document which can be found in the FAQ section of the EAR online tool.	Implementation status of source protection plan policies

Answer: Yes

Comment:

Report Id	Completed	Question				
30	True	Number of risk management plans agreed to or established within the source protection area/region (to address existing and future threats) in this reporting period (i.e., annual total).				
		<table><tr><th>Current Year</th><th>Cumulative Count</th></tr><tr><td>0</td><td>2</td></tr></table>	Current Year	Cumulative Count	0	2
Current Year	Cumulative Count					
0	2					
Provincial Total		<table><tr><td>0</td><td>2</td></tr></table>	0	2		
0	2					

Comment:





# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Report Id	Completed	Question				
31	True	Number of properties (i.e., parcels) with risk management plans agreed to or established in this reporting period.				
		<table><tr><th>Current Year</th><th>Cumulative Count</th></tr><tr><td>0</td><td>5</td></tr></table>	Current Year	Cumulative Count	0	5
Current Year	Cumulative Count					
0	5					
Provincial Total		05				
Comment:						

Report Id	Completed	Question				
32	True	How many existing* significant drinking water threats have been managed through the established risk management plans in this reporting period (* meaning engaged in OR enumerated as existing significant threats)?				
		<table><tr><th>Current Year</th><th>Cumulative Count</th></tr><tr><td>0</td><td>15</td></tr></table>	Current Year	Cumulative Count	0	15
Current Year	Cumulative Count					
0	15					
Provincial Total		015				
Comment:						

Report Id	Completed	Question	Category
33	True	If known, please state the percentage of risk management plans that have been established to date in relation to the ones still needed/pending to manage EXISTING significant drinking water threat activities. [OPTIONAL]: You may also include a description of the effort and time dedicated to getting the risk management plans in place in the Comments field.	Part IV (Sections 57, 58 & Section 59)
Answer:	100		
Comment:	All RMPs are currently established within the NPSPA.		



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Report Id	Completed	Question	Category
34	True	Since their establishment, were any risk management plans cancelled within the source protection region/area because of updates or amendments or other changes? If yes, please state how many. If no, please enter "0". Note: This count should be the cumulative count of all risk management plans that have been cancelled over any of the previous reporting years. See guidance for more details.	Part IV (Sections 57, 58 & Section 59)
Answer:		0	

Comment:

Report Id	Completed	Question				
40	True	How many section 59 notices were issued in this reporting period for activities to which neither a prohibition (section 57) nor a risk management plan (section 58) policy applied, as per ss. 59(2)(a) of the Clean Water Act?				
		<table><tr><th>Current Year</th><th>Cumulative Count</th></tr><tr><td>0</td><td>0</td></tr></table>	Current Year	Cumulative Count	0	0
Current Year	Cumulative Count					
0	0					
Provincial Total		<table><tr><td>0</td><td>0</td></tr></table>	0	0		
0	0					

Comment:

Report Id	Completed	Question				
41	True	How many section 59 notices were issued in this reporting period for activities to which a risk management plan (section 58) policy applied, as per ss. 59(2)(b) of the Clean Water Act?				
		<table><tr><th>Current Year</th><th>Cumulative Count</th></tr><tr><td>0</td><td>0</td></tr></table>	Current Year	Cumulative Count	0	0
Current Year	Cumulative Count					
0	0					
Provincial Total		<table><tr><td>0</td><td>0</td></tr></table>	0	0		
0	0					

Comment:



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Report Id	Completed	Question
-----------	-----------	----------

50	True	For the purposes of section 61 of O. Reg. 287/07, how many notices and/or copies of prescribed instruments that state the prescribed instrument conforms with the significant drinking water threat policies in the source protection plan (i.e., statement of conformity confirms the instrument holder is exempt from requiring a risk management plan) did the risk management official receive in this reporting period?
----	------	--

Current Year	Cumulative Count
--------------	------------------

0	0
---	---

Provincial Total	
------------------	--

0	0
---	---

Comment:

Report Id	Completed	Question
-----------	-----------	----------

Category

60	True	Provide a brief overview of inspections that were carried out for activities that are prohibited under section 57 or require a risk management plan under section 58 of the Clean Water Act. You may wish to include a brief summary of inspection results and an overall indication of compliance. If no inspections were conducted in the previous calendar year, please explain. [OPTIONAL]: If you wish to share any insights or feedback about the compliance process in general, please do so.
----	------	--

Part IV  
(Sections 57,  
58 & Section  
59)

**Answer:** Due to the global pandemic, no in-person inspections were conducted for the reporting year. Contact was made with property owners subject to RMPs and no contraventions of the RMPs are anticipated. Additional thoughts: Because of the restrictions encountered this year, future inspections will be conducted in person, no additional comments on the compliance process at this time.

Comment:



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Report Id	Completed	Question
-----------	-----------	----------

61	True	State the total number of inspections (including any follow-up site visits) that were carried out for activities (existing or future) that are prohibited under section 57 of the Clean Water Act in this reporting period.
----	------	---

Current Year	Cumulative Count
--------------	------------------

0	7
---	---

Provincial Total	0	7
------------------	---	---

Comment:

Report Id	Completed	Question
-----------	-----------	----------

62	True	Among the inspections conducted for section 57, how many showed that activities were taking place on the landscape even though they were prohibited (i.e., in contravention) under section 57 of the Clean Water Act in this reporting period?
----	------	--

Current Year	Cumulative Count
--------------	------------------

0	0
---	---

Provincial Total	0	0
------------------	---	---

Comment:

Report Id	Completed	Question
-----------	-----------	----------

70	True	How many existing significant drinking water threats have been prohibited as a result of section 57 prohibitions in this reporting period?
----	------	--

Current Year	Cumulative Count
--------------	------------------

0	1
---	---

Provincial Total	0	1
------------------	---	---

Comment:



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Report Id	Completed	Question
-----------	-----------	----------

80	True	State the total number of inspections (including any follow-up site visits) that were carried out for activities that require a risk management plan under section 58 of the Clean Water Act in this reporting period.
----	------	--

Current Year	Cumulative Count
--------------	------------------

0	7
---	---

Provincial Total	0	7
------------------	---	---

Comment:

Report Id	Completed	Question
-----------	-----------	----------

81	True	Among the inspections conducted for section 58, how many were in contravention with section 58 of the Clean Water Act in this reporting period (i.e., person engaging in a drinking water threat activity without a risk management plan as required by the source protection plan)?
----	------	--

Current Year	Cumulative Count
--------------	------------------

0	1
---	---

Provincial Total	0	1
------------------	---	---

Comment:

Report Id	Completed	Question
-----------	-----------	----------

82	True	Among the inspections for section 58, how many were in non-compliance with the specific contents of the risk management plan in this reporting period? (NOTE: Please only include those inspections that showed non-compliance with measures/conditions to manage the actual threat activity.)
----	------	--

Current Year	Cumulative Count
--------------	------------------

0	0
---	---

Provincial Total	0	0
------------------	---	---

Comment:



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Report Id	Completed	Question				
83	True	State the total number of notices issued where there were cases of contraventions and/or non-compliance found with section 57 in this reporting period.				
		<table><tr><th>Current Year</th><th>Cumulative Count</th></tr><tr><td>0</td><td>0</td></tr></table>	Current Year	Cumulative Count	0	0
Current Year	Cumulative Count					
0	0					
Provincial Total		0				
Comment:						

Report Id	Completed	Question				
84	True	State the total number of notices issued where there were cases of contraventions and/or non-compliance found with section 58 in this reporting period.				
		<table><tr><th>Current Year</th><th>Cumulative Count</th></tr><tr><td>0</td><td>0</td></tr></table>	Current Year	Cumulative Count	0	0
Current Year	Cumulative Count					
0	0					
Provincial Total		0				
Comment:						

Report Id	Completed	Question				
85	True	State the total number of orders issued for contraventions and/or non-compliance found with section 57 in this reporting period.				
		<table><tr><th>Current Year</th><th>Cumulative Count</th></tr><tr><td>0</td><td>0</td></tr></table>	Current Year	Cumulative Count	0	0
Current Year	Cumulative Count					
0	0					
Provincial Total		0				
Comment:						



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Report Id	Completed	Question
-----------	-----------	----------

86	True	State the total number of orders issued for contraventions and/or non-compliance found with section 58 in this reporting period.
----	------	--

Current Year	Cumulative Count
--------------	------------------

0	1
---	---

<b>Provincial Total</b>	
-------------------------	--

0	1
---	---

**Comment:**

Report Id	Completed	Question
-----------	-----------	----------

220	True	List the municipality(ies) (including upper-, lower-, and single-tier) within the source protection region/area that are required to complete Official Plan and Zoning by-law conformity exercises for source protection and indicate the status of those exercises for each listed municipality. *NOTE: Applies to every municipality affected by land use planning or Part IV type policies. Where the official plan and/or zoning by-law status for any particular municipality needs to be changed/updated, then please do so by deleting the entry for that particular municipality by clicking on the red "-" (minus) sign and then re-select the municipality name from the drop down list of municipalities followed by selecting the updated status of the conformity exercise for the official plan and zoning by-law from the drop down list for that particular municipality. After doing so, please be sure to add the municipality as your response by clicking on the green plus sign.
-----	------	---

Municipality	Official Plan	Zoning By Law
--------------	---------------	---------------

City of Niagara Falls	Completed	Completed
-----------------------	-----------	-----------

City of Port Colborne	Completed	Completed
-----------------------	-----------	-----------

City of Thorold	Completed	Completed
-----------------	-----------	-----------

Niagara, Regional Municipality of	Completed	Not Applicable
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**Comment:**



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Report Id	Completed	Question						
240	True	State the number of source water protection signs installed on provincial highways in the source protection region/area in this reporting period.						
		<table><tr><th>Current Year</th><th>Cumulative Count</th></tr><tr><td>0</td><td>4</td></tr><tr><td>Provincial Total</td><td>4</td></tr></table>	Current Year	Cumulative Count	0	4	Provincial Total	4
Current Year	Cumulative Count							
0	4							
Provincial Total	4							
Comment:								

Report Id	Completed	Question						
241	True	State the number of source water protection signs installed on municipal roads in the source protection region/area in this reporting period.						
		<table><tr><th>Current Year</th><th>Cumulative Count</th></tr><tr><td>0</td><td>19</td></tr><tr><td>Provincial Total</td><td>19</td></tr></table>	Current Year	Cumulative Count	0	19	Provincial Total	19
Current Year	Cumulative Count							
0	19							
Provincial Total	19							
Comment:								

Report Id	Completed	Question						
242	True	State the number of source water protection signs installed at other locations (if applicable) in the source protection region/area in this reporting period.						
		<table><tr><th>Current Year</th><th>Cumulative Count</th></tr><tr><td>0</td><td>0</td></tr><tr><td><b>Provincial Total</b></td><td><b>0</b></td></tr></table>	Current Year	Cumulative Count	0	0	<b>Provincial Total</b>	<b>0</b>
Current Year	Cumulative Count							
0	0							
<b>Provincial Total</b>	<b>0</b>							
Comment:								



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Report Id	Completed	Question	Category
260	True	Current total overall number of on-site sewage systems that are assessed as significant drinking water threat activities and that are required to be inspected every five years in accordance with the Ontario Building Code.	Sewage System Inspections
Answer:		0	
Comment:		N/A	

Report Id	Completed	Question	Category
261	True	Of those requiring inspections, how many inspections of on-site sewage systems were due to be carried out in this reporting period? If not applicable or no inspections of on-site sewage systems were due to be carried out in this reporting period because they were already inspected earlier within the inspection cycle or will be inspected in a future year within the cycle, then please enter "0" and state either explanation in the comment field.	Sewage System Inspections
Answer:		0	
Comment:		N/A	

Report Id	Completed	Question	Category
262	True	How many on-site sewage system inspections were completed in this reporting period?	Sewage System Inspections
Answer:		0	
Comment:		N/A	



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Report Id	Completed	Question				
263	True	How many of the inspected on-site sewage systems required minor maintenance work in this reporting period?				
		<table><tr><th>Current Year</th><th>Cumulative Count</th></tr><tr><td>0</td><td>0</td></tr></table>	Current Year	Cumulative Count	0	0
Current Year	Cumulative Count					
0	0					
Provincial Total		<table><tr><td>0</td><td>0</td></tr></table>	0	0		
0	0					
Comment:	N/A					

Report Id	Completed	Question				
264	True	How many of the inspected on-site sewage systems required major maintenance work (e.g., tank replacement, etc.) in this reporting period?				
		<table><tr><th>Current Year</th><th>Cumulative Count</th></tr><tr><td>0</td><td>0</td></tr></table>	Current Year	Cumulative Count	0	0
Current Year	Cumulative Count					
0	0					
Provincial Total		<table><tr><td>0</td><td>0</td></tr></table>	0	0		
0	0					
Comment:	N/A					

Report Id	Completed	Question	Category
265	True	How many of the inspected on-site sewage systems required no maintenance work?	Sewage System Inspections
<b>Answer:</b>		0	
<b>Comment:</b> N/A			



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Report Id	Completed	Question
266	True	For those on-site sewage systems that were not inspected in this reporting period but should have been inspected, and are now out of compliance, please indicate why they were not all inspected from among the reasons below. [Note: For municipalities that have not yet initiated the mandatory on-site sewage system inspection program, please see the next reportable to provide your response if this is the case].
Response		Answer
landowner refused entry, compliance order being sought		No
other. Please specify in the comment box below.		No
inspections delayed/postponed due to COVID-19 restrictions		No
vulnerable area changed and on-site sewage system(s) no longer a threat activity		No
<b>Comment:</b> Not applicable		



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Report Id	Completed	Question	Category
267	True	If applicable, please indicate if any municipality(ies) has not yet established or initiated the mandatory on-site sewage system inspection program (i.e., the first inspection cycle) in your source protection region/area. As part of your response, please indicate the name of the municipality(ies), the reason(s) for not yet initiating the mandatory on-site sewage inspection program (if known) and the steps that have been taken to ensure compliance with the mandatory inspection program.	Sewage System Inspections

Answer: N/A

Comment:

Report Id	Completed	Question
270	True	Complete the information below regarding environmental monitoring of drinking water issues identified in accordance with the Technical Rules within your source protection region/area. Begin by selecting the drinking water system, the specific well or intake, the drinking water issue, the delineation status, and the observation of the concentration. [OPTIONAL]: In the comments field, describe any actions or behavioural changes that might be contributing to reported changes in the concentration of the issue or parameter. Where the drinking water issue, well or intake, delineation status, or observation of any previously listed drinking water system needs to be changed/updated, then please do so by deleting the entry for that particular drinking water system by clicking on the red minus sign on the right side of the entry and then re-select the drinking water system from the dropdown list of drinking water systems followed by selecting the associated well or intake, the drinking water issue, its delineation status, and the observation from the dropdown list for that particular drinking water system. After doing so, please be sure to add the drinking water system as your response by clicking on the green plus sign on the right side of the entry. If this reportable is not applicable to your source protection region/area, please indicate as such by choosing "No system with issues," "Not Known/Available," "No issue," "Not applicable," and "No observation," respectively, under the drop down menu options under each of the categories of this reportable. Do not leave blank.

DWIS Number	DWIS Name	Issue	ICA Delinated	Observation
	-- No system with issues --	-- No Issue --	--Not Applicable --	-- No Observation --

Comment: Not applicable





# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Report Id	Completed	Question
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280	True	How many notices about transport pathways (meaning a condition of land resulting from human activity (e.g., pits and quarries, improperly abandoned wells, geothermal system, etc.) that increases the vulnerability of a raw water supply of a drinking water system) did the source protection authority receive from municipalities in this reporting period (as per O. Reg. 287/07, ss. 27(3))?
-----	------	---

	Current Year	Cumulative Count
--	--------------	------------------

	0	0
--	---	---

<b>Provincial Total</b>	0	0
-------------------------	---	---

**Comment:**



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Report Id	Completed	Question	
281	True	Where transport pathway notices were received, indicate the action(s) taken by the source protection region/area in response to receiving these notices:	
<b>Response</b>			<b>Answer</b>
Provided information to municipalities about changes in vulnerability			No
Provided notice to Source Protection Committee for information			No
Situation continues to be monitored			No
<b>Comment:</b> N/A			



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Report Id	Completed	Question																												
300	True	[OPTIONAL]: If and where there are successful examples for each of the following initiatives in the source protection region/area (including from local municipalities, residents and businesses) that occurred in this reporting period that the authority wishes to highlight, then please indicate in the Comments field below. In your comments, please include details for each of the selected topics. Please limit the descriptions provided (e.g., one example for each topic or more could be included when the source protection authority feels they are exceptional/quite successful).																												
		<table><tr><th>Response</th><th>Answer</th></tr><tr><td>Education and Outreach (in description include details, if available, on type and percentage of target population reached, outcome(s) achieved, etc.)</td><td>Yes</td></tr><tr><td>Incentives (in description include details, if available, on outcome(s) achieved, how widely available was the incentive, etc.)</td><td>Yes</td></tr><tr><td>Stewardship Programs</td><td>No</td></tr><tr><td>Best Management Practices</td><td>No</td></tr><tr><td>Pilot Programs</td><td>No</td></tr><tr><td>Research</td><td>Yes</td></tr><tr><td>Specify Action (e.g., road salt management, municipal by-laws, legislative or regulatory amendments, mapping, review of fuel codes, new airport facility design standards to manage runoff of chemicals from de-icing of aircraft, instrumentation, etc.)</td><td>No</td></tr><tr><td>Climate Change (e.g., data collection)</td><td>Yes</td></tr><tr><td>Spill prevention/spill contingency/emergency response plan updates</td><td>Yes</td></tr><tr><td>Transport pathways</td><td>Yes</td></tr><tr><td>Water quantity</td><td>No</td></tr><tr><td>Great Lakes</td><td>Yes</td></tr><tr><td>Other policies (i.e., strategic action, etc.)</td><td>No</td></tr></table>	Response	Answer	Education and Outreach (in description include details, if available, on type and percentage of target population reached, outcome(s) achieved, etc.)	Yes	Incentives (in description include details, if available, on outcome(s) achieved, how widely available was the incentive, etc.)	Yes	Stewardship Programs	No	Best Management Practices	No	Pilot Programs	No	Research	Yes	Specify Action (e.g., road salt management, municipal by-laws, legislative or regulatory amendments, mapping, review of fuel codes, new airport facility design standards to manage runoff of chemicals from de-icing of aircraft, instrumentation, etc.)	No	Climate Change (e.g., data collection)	Yes	Spill prevention/spill contingency/emergency response plan updates	Yes	Transport pathways	Yes	Water quantity	No	Great Lakes	Yes	Other policies (i.e., strategic action, etc.)	No
Response	Answer																													
Education and Outreach (in description include details, if available, on type and percentage of target population reached, outcome(s) achieved, etc.)	Yes																													
Incentives (in description include details, if available, on outcome(s) achieved, how widely available was the incentive, etc.)	Yes																													
Stewardship Programs	No																													
Best Management Practices	No																													
Pilot Programs	No																													
Research	Yes																													
Specify Action (e.g., road salt management, municipal by-laws, legislative or regulatory amendments, mapping, review of fuel codes, new airport facility design standards to manage runoff of chemicals from de-icing of aircraft, instrumentation, etc.)	No																													
Climate Change (e.g., data collection)	Yes																													
Spill prevention/spill contingency/emergency response plan updates	Yes																													
Transport pathways	Yes																													
Water quantity	No																													
Great Lakes	Yes																													
Other policies (i.e., strategic action, etc.)	No																													



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

**Comment:** Several education and outreach initiatives continued throughout 2021 with the direct or indirect goal of source protection awareness. 2021 saw a continued unusual scenario with the global pandemic, however, new ways to provide education and outreach opportunities emerged.

As an example, this year the Children's Water Festival was held virtually, once again, where children participated in online water conservation and protection activities. The event was well received and well attended with the online activities that deal with water protection being the most popular (i.e., Yellow Fish Road).

Other opportunities for in-person engagement was severely limited in 2021 due to the pandemic. Local municipalities education and outreach was diminished as resources were allocated accordingly to deal with pandemic issues.

Incentive programs at local municipalities and the conservation authority continued in 2021 (i.e., disconnecting storm drains from local sewers, and the groundwater well decommissioning program).



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

**Report Id Completed Question**

305 True Complete the table below with the count data for each significant drinking water threat activity/local threat activity/condition being engaged in (i.e., enumerated as 'existing' significant threats) at the time of source protection plan approval or approval of amendments that include new / changing protection zones. Please use the best available information/desktop exercises, reports from Risk Management Officials, and other implementing bodies to provide the counts below. For convenience, the count data from the previous reporting year have been copied over, but please be sure to review, edit, and confirm the counts for accuracy in the table below. \*NOTE: SPAs are strongly encouraged to refer to the Guidance document for additional details and instructions on completing this table.

ThreatId	Threat	A	B	C	D
1	The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	0	0	0	0
2	The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	0	0	0	0
3	The application of agricultural source material to land.	8	0	3	5
4	The storage of agricultural source material.	8	0	3	5
5	The management of agricultural source material.	0	0	0	0
6	The application of non-agricultural source material to land.	0	1	1	0
7	The handling and storage of non-agricultural source material.	0	0	0	0
8	The application of commercial fertilizer to land.	0	0	0	0
9	The handling and storage of commercial fertilizer.	0	0	0	0
10	The application of pesticide to land.	0	0	0	0
11	The handling and storage of pesticide.	0	0	0	0
12	The application of road salt.	0	0	0	0



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

13	The handling and storage of road salt.	0	0	0	0
14	The storage of snow.	0	0	0	0
15	The handling and storage of fuel.	0	0	0	0
16	The handling and storage of a dense non-aqueous phase liquid.	0	0	0	0
17	The handling and storage of an organic solvent.	0	0	0	0
18	The management of runoff that contains chemicals used in the de-icing of aircraft.	0	0	0	0
19	Water taking from an aquifer without returning the water to the same aquifer or surface water body	0	0	0	0
20	Reducing recharge of an aquifer	0	0	0	0
21	The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	8	0	3	5
22	The establishment and operation of a liquid hydrocarbon pipeline	0	0	0	0
1000	Water conditioning salts from water softeners	0	0	0	0
1001	Transportation of specified substances along corridors	0	0	0	0
1002	Spill of Tritium from Nuclear Generating Station	0	0	0	0
1003	Handling storage of fuel	36	0	0	36
1004	Transportation, storage and handling of diesel/gasoline	36	0	0	36
1005	Transportation of Agricultural and Non-Agricultural Source Materials	6	0	0	6
1006	International Shipping Channel within IPZ2	0	0	0	0
1007	Transportation of hazardous substances along transportation corridors	0	0	0	0
1008	Transportation or Storage and Handling of Fuel in an Event Based Area	0	0	0	0





# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

1009	Waterfowl					0	0	0	0	
1010	Local condition					0	0	0	0	
	93	93				Totals:	102	1	10	93

Comment: . MECP Calc D/(A+B-C): 100 %

Report Id	Completed	Question	Category
310	True	Please provide comments below to explain the overall progress made in addressing these significant threats and include the percentage of overall progress made within the comments provided. The percentage of overall progress made in addressing local threats and conditions that are taking place on the landscape is determined by taking the total number in column D (i.e., significant drinking water threat addressed because policy is implemented) from the table in reportable ID 305 and dividing it by the number that is derived by adding the total numbers in columns A and B and then subtracting this sum total from the total in column C. In other words, overall progress made = D/(A plus B minus C).	Addressing existing enumerated threats
<b>Answer:</b> P: Progressing Well/On Target 100%, All policies are implemented and all significant threats are addressed.			

Comment:

Report Id	Completed	Question	Category
320	True	If applicable to the assessment report in your source protection region/area, provide a summary of steps taken to further assess or implement the plans of work described in technical rule 30.1: Water Budget Tier 3 not included in your original assessment report(s).	Assessment report information gaps

**Answer:** N/A

Comment:



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Report Id	Completed	Question	Category
321	True	If applicable to the assessment report in your source protection region/area, provide a summary of steps taken to further assess or implement the plans of work described in technical rule 50.1: GUDI for WHPA-E or F not included in your original assessment report(s).	Assessment report information gaps

Answer: N/A

Comment:

Report Id	Completed	Question	Category
322	True	If applicable to the assessment report in your source protection region/area, provide a summary of steps taken to further assess or implement the plans of work described in technical rule 116: Issue Contributing Area not included in your original assessment report(s).	Assessment report information gaps

Answer: N/A

Comment:

Report Id	Completed	Question	Category
330	True	Does the source protection authority have any other item(s) on which it wishes to report? If so, please explain.	Other reporting items

Answer: N/A

Comment:



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Report Id	Completed	Question	Category
340	True	What positive outcomes (e.g., less water consumption, changes in behaviour, reduction in phosphorus and nitrogen concentrations, less chloride from road salt, reduction in algal blooms, human health protected, etc.), if any, have potentially resulted from the implementation of source protection plan policies? Please describe the outcomes below.	Source protection outcomes
<b>Answer:</b>		One of the main positive outcomes from the implementation of source protection plan policies comes in the form of heightened awareness of the need for integration of source water protection into activities such as spill response exercises, e.g. local fire departments, St. Lawrence Seaway Management Corporation, Enbridge, Niagara Region.  Indirect outcomes from source protection plan policies include an increased awareness of beach monitoring for areas where recreational swimming takes place. In addition, municipal work to improve infrastructure is prioritized to reduce threats in vulnerable areas (i.e., combined sewer replacement and relocations of sanitary sewers outside of vulnerable areas where they may pose a threat to drinking water treatment plants).	
<b>Comment:</b>			



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Report Id	Completed	Question
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350	True	In the opinion of the Source Protection Committee, to what extent have the objectives of the source protection plan been achieved in this reporting period?
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#### Response

#### Answer

Progressing Well/On Target - The majority of the source protection plan policies have been implemented and/or are progressing well
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Yes
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Satisfactory - Some of the source protection plan policies have been implemented and/or are progressing well
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No
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Limited Progress made - A few of the source protection plan policies have been implemented and/or are progressing well
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No
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**Comment:**



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### SPR - Niagara Peninsula

Report Id	Completed	Question	Category
351	True	Please provide comments to explain how the Source Protection Committee arrived at its opinion. Include a summary of any discussions that might have been had amongst the Source Protection Committee members, especially where no consensus was reached.	Achievement of source protection plan objectives
<b>Answer:</b>		The Source Protection Committee states that based on the information provided that all of the significant drinking water threats have been addressed and all of the policies are implemented.	
<b>Comment:</b>			