



## **SAUGEEN, GREY SAUBLE, NORTHERN BRUCE PENINSULA SOURCE PROTECTION COMMITTEE MEETING #86**

### **A G E N D A**

Friday, July 23, 2021

1:15 p.m. – 4:00 p.m.

Video Conference via internet app WebEx

**Instructions to follow by email**

#### **CALL TO ORDER**

- 1. Adoption of Agenda**
- 2. Declaration of Pecuniary or Conflict of Interest**
- 3. Adoption of Minutes of March 26, 2021 meeting**
- 4. Matters Arising from the Minutes**
- 5. Correspondence**
  - Municipal Council Resolutions Re: Province Investigating and Updating Source Water Protection Legislation
- 6. Reports**
  - Administration Report – **Report 6a attached**
  - Communications Report – **Report 6b attached**
- 7. New Business**
  - Provincial Program Updates– **Report 7a attached**
  - Source Protection Plan Pre-Consultation Updates– **Report 7c attached**
- 8. Other Business**
- 9. Next Meeting and Adjournment**

## **SOURCE PROTECTION COMMITTEE**

### **MINUTES – MEETING #85**

**MEETING: SOURCE PROTECTION COMMITTEE**

**DATE: FRIDAY, MARCH 26, 2021**

**TIME: 1:15 P.M.**

**LOCATION: WEBEX VIDEO MEETING**

#### **CALL TO ORDER**

Chair called the meeting to order at 1:18 p.m.

**In Attendance:** Chair, Bill Twaddle  
Stan Eby, Robert Emerson, John Fruin, Dick Hibma, Dennis Kefalas,  
Angela Newman, Les Nichols, Dan Orr, Tara Saab, Gord Timmerman,

**Others Present:** Olga Yudina, Ex-officio, Ministry of the Environment, Conservation and  
Parks (MECP)  
Carl Seider, Project Manager, Drinking Water Source Protection (DWSP)  
Nancy Guest, Recording Secretary, DWSP

**Also in Attendance:** Jo-Anne Harbinson, Manager, Water Resources & Stewardship Services,  
Saugeen Conservation  
Karen Gillan, Communications Specialist, DWSP  
Kyle Davis, RMO, Wellington County

**Regrets:** Mitch Twolan, Jim Uram

The Chair introduced and welcomed Jo-Anne Harbinson, Manager of Water Resources and Stewardship Services at Saugeen Conservation who attended in place of the General Manager & Secretary-Treasurer, Jennifer Stephenson. Also attending on behalf of the Wellington County Risk Management Office, was Kyle Davis.

The Chair congratulated one of our Agricultural Representatives, Stan Eby, who recently was inducted into the Ontario Agricultural Hall of Fame.

**1. Adoption of Agenda**

**Motion No.  
SPC-21-312**

**Moved by Les Nichols  
Seconded by John Fruin**

**THAT the Agenda be adopted as distributed.**

**Carried**

**2. Disclosure of Pecuniary or Conflict of Interest**

Source Protection Committee (SPC) members were reminded to disclose any pecuniary interest that may arise during the course of the meeting. No disclosures of pecuniary interest were expressed at this time.

**3. Adoption of Minutes**

**Motion No.  
SPC-21-313**

**Moved by Dick Hibma  
Seconded by John Fruin**

**THAT the Minutes of the November 27, 2020 Source Protection Committee meeting be adopted as distributed.**

**Carried**

**4. Matters Arising from the Minutes**

No matters arose from the previous minutes.

**5. Correspondence**

- Notice of Amendments to Source Protection Plan from Saugeen Valley Source Protection Authority dated January 25, 2021 was **noted and filed**.

**6. Reports**

**Administration Report 6a**

The Project Manager reviewed Administration Report 6a and advised that a Notice of Amendments to the Source Protection Plan was issued January 25, 2021 in anticipation of the new well at Blair's Grove in Huron-Kinloss. A drinking water works permit was received and the well is currently in production.

The 2021/2022 Workplan, similar to past plans that have been submitted, was prepared to meet the MECP requirements. The main focus is the completion of s. 36 amendments along with all implementation requirements and plans to support municipalities and other implementing bodies.

The MECP is reviewing workplans from across the province and is currently unable to advise of a timeline for approval of Transfer Payment Agreements.

Respecting the Source Protection Plan amendments, the MECP requested a peer review for the East Linton intake desktop model calculations, which were not anticipated. Technical staff at the Nottawasaga Conservation Authority reviewed this technical work.

Staff received notification from the Municipality of Kincardine that an Environmental Assessment will be conducted in 2021 respecting a new municipal well at Scott Point. The relevant Source Protection Authority must issue a Notice before a permit can be applied for and an updated source protection plan approved before water can be supplied to the public.

#### Communications Report 6b

The Communications Specialist reviewed Communications Report 6b and advised that the Covid-19 restrictions have posed some challenges respecting the s.36 consultation and conducting in-person meetings with municipal staff and public meetings. The consultation schedule was reviewed and final edits and submission to the Ministry are expected to be completed by Fall of 2021. Various social media venues are being employed to advise of consultation including posts on Twitter and Facebook.

The CAO of Grey Sauble Conservation was interviewed on the local Rogers TV program, Politically Speaking, and discussed, among other programs, the Source Water program and its effects and benefits. This program is shown at various times for a number of weeks after airing.

### **7. New Business**

#### Source Protection Plan Extension Request Report 7a

The Project Manager reviewed Source Protection Plan Extension Request Report 7a and advised that the Centre Wellington Risk Management Office (RMO) has requested an extension respecting Risk Management Plans (RMPs) affecting properties in the municipalities of Wellington North and Minto, delayed due to Covid-19 restrictions. The RMO anticipated that most RMPs would be completed in 2022.

**Motion No.  
SPC-21-314**

**Moved by Dennis Kefalas  
Seconded by John Fruin**

**THAT the Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Committee endorses the request for extension of Source Protection Plan policies related to Risk Management Plans and directs Staff to submit this request to the Saugeen Valley Source Protection Authority for consideration prior to submission to the Ministry.**

**Carried**

## Source Protection Plan Draft Pre-Consultation Notice Report 7b

The Project Manager reviewed Source Protection Plan Draft Pre-Consultation Notice Report 7b and advised that all affected stakeholders, as well as some affected landowners, will be issued a Notice of Consultation respecting the Blair's Grove and East Linton Source Protection Plan (SPP) amendments and feedback respecting the SPP changes will be expected and considered. Staff is working closely with neighbouring RMOs and the Ministry to follow the technical rule requirements. Currently, the Program Director's draft technical rules are under review and SPP changes will be subject to the finalization of the technical rules.

Draft policies respecting Policy 15-05 – Risk Management for Fuel near Great Lakes Intakes, Policy 12-01: Salt Application Threat – Risk Management Plan, Policy 12-02: Salt Management Plan, Policy 12-03: Salt Management Plan – Ministry of Transportation Roads, Policy 12-04: Salt Application – Education & Outreach, Policy 13-01: The Handling and Storage of Road Salt (Risk Management Plan), and Policy 13-02: Salt Handling and Storage – Education & Outreach were reviewed and discussed.

**Motion No.  
SPC-21-315**

**Moved by Dennis Kefalas  
Seconded by Dick Hibma**

**THAT the Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Committee endorses the draft Pre-Consultation Notice for proposed Sec. 36 Source Protection Plan amendments and directs Staff to issue the Notice to affected parties, pending Ministry review and comments on Early Engagement materials.**

**Carried**

## 2020 Annual Report 7c

The Project Manager reviewed 2020 Annual Report 7c and advised that the Annual Report for 2020 will be submitted to the Ministry by May 1, 2021. Drive-by inspections and contacting landowners to update the Risk Management Plans have been ongoing and no specific issues were found to exist. All twenty-one upper and lower-tier municipalities across the Region have completed or are in the process of completing their respective Official Plans or zoning by-law updates and all amendments respecting the Source Protection Plan should be in place by 2022. One hundred per cent of the Source Protection Plan policies are in place and being addressed by the responsible parties.

A discussion followed respecting Section II of the Source Protection Annual Progress Report, “A message from your local Source Protection Committee” on page 2. As a result, an addition to the Annual Report will be included to emphasize the importance of the program, as well as ongoing provincial funding needed to continue the program at full capacity.

**Motion No.  
SPC-21-316**

**Moved by John Fruin  
Seconded by Angela Newman**

**THAT the Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Committee receives a copy of the draft Source Protection Annual Progress Report; and further,**

**THAT the Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Committee directs Staff to provide copies of the draft Source Protection Annual Progress Report along with any comments to the respective Grey Sauble, Saugeen Valley and Northern Bruce Peninsula Source Protection Authorities, and to submit a final version to the Ministry of the Environment, Conservation and Parks by May 1, 2021.**

**Carried**

## **8. Other Business**

The Project Manager discussed the comments recently received from the Ministry respecting draft Source Protection Plan amendments, as well as draft technical rule changes. The Ministry liaison, Olga Yudina, advised that comments on the provincial Environmental Bill of Rights website closed on November 19, 2020 after 360 comments were received. Comments are being reviewed and technical rules possibly refined, although she does not expect significant changes, and the SPC may proceed with consultation without delay.

Staff gave a training session on Source Water and planning implications to the planning staff of Saugeen Conservation reviewing maps and instructing Saugeen planners in the method of identifying applications that may need to be reviewed by Risk Management staff.

The Project Manager reviewed the correspondence received from the Nuclear Waste Management Organization respecting the deep geological repository being proposed north-west of Teeswater. The Project Manager advised that the proposed site is not in or near a vulnerable source protection area and will keep the Committee apprised of the progress.

There was no other business.

## **9. Confirmation of Next Meeting and Adjournment**

The next Committee meeting will be held on Friday, July 23, 2021 at 1:15 p.m. Location to be determined.

There being no further business, Dennis Kefalas made a motion to adjourn at 2:50 p.m.

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Bill Twaddle  
Chair

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Nancy Guest  
Recording Secretary



## TOWNSHIP OF SOUTH FRONTENAC

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June 7, 2021

Honourable Doug Ford  
Premier of Ontario  
Legislative Building  
Queen's Park  
Toronto ON  
M7A 1A1  
[doug.fordco@pc.ola.org](mailto:doug.fordco@pc.ola.org)

Honourable Jeff Yurek  
Minister of the Environment, Conservation  
and Parks  
5<sup>th</sup> Floor, 777 Bay St  
Toronto ON  
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[jeff.yurek@pc.ola.org](mailto:jeff.yurek@pc.ola.org)

Dear Premier and Minister:

**Re: Province Investigating and Updating Source Water Protection Legislation**

Please be advised that the Council of the Township of South Frontenac passed the following resolution at their meeting June 1, 2021:

“That Council endorse the resolution passed by the Town of Fort Erie regarding legislative changes to ensure that those in our community who rely on wells and other private servicing for clean drinking water are afforded the same source water protection as municipal drinking water systems.

And that this resolution be circulated to the Honourable Doug Ford, Premier of Ontario, the Honourable Jeff Yurek, Minister of the Environment, Conservation and Parks, Andrea Howarth, Leader of the Opposition, All Conservation Authorities and the Association of Municipalities of Ontario. Carried.”

The Council of the Township of South Frontenac supports the Town of Fort Erie and other rural Ontario municipalities where their residents rely on wells and other private servicing for clean drinking water. Please consider the human right to clean drinking water and sanitization in the investigation and updating of Source Water Protection Legislation.

Yours truly

*Angela Maddocks*

Angela Maddocks  
Clerk

c.c. Andrea Howarth, Leader of the Opposition  
Conservation Authorities of Ontario  
AMO



## PORT COLBORNE

Corporate Services Department  
Clerk's Division

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May 21, 2021

The Honourable Doug Ford, Premier of Ontario  
Legislative Building, Queen's Park  
Toronto, ON M7A 1Y7

Sent via E-mail: [premier@ontario.ca](mailto:premier@ontario.ca)

Dear Premier Ford:

**Re: Resolution – Source Water Protection Legislation**

Please be advised that, at its meeting of May 10, 2021, the Council of The Corporation of the City of Port Colborne resolved as follows:

That correspondence from the Town of Fort Erie regarding Source Water Protection Legislation, be supported.

A copy of the above noted resolution is enclosed for your reference. Your favourable consideration of this request is respectfully requested.

Sincerely,

Amber LaPointe  
City Clerk

ec: Honourable Jeff Yurek, Minister of Environment, Conservation and Parks  
Jeff Burch, MPP, Niagara Centre  
Sam Oosterhoff, MPP, Niagara West  
Jennifer Stevens, MPP, St. Catharines  
Wayne Gates, MPP, Niagara Falls  
Ontario Conservation and all Ontario Conservation Authorities:  
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Association of Municipalities of Ontario (AMO)  
Ontario Municipalities



# Community Services

## Legislative Services

April 27, 2021  
File #120203

Sent via email: [premier@ontario.ca](mailto:premier@ontario.ca)

The Honourable Doug Ford, Premier of Ontario  
Legislative Building  
Queen's Park  
Toronto, ON M7A 1A1

Honourable and Dear Sir:

**Re: Province Investigating and Updating Source Water Protection Legislation**

Please be advised the Municipal Council of the Town of Fort Erie at its meeting of April 26, 2021 passed the following resolution:

**Whereas** the Municipal Council of the Town of Fort Erie passed a resolution on October 21st, 2019 identifying that 1,100 private water wells were in operation in the Town of Fort Erie, of which 75% were used for domestic purposes including human and livestock consumption, and

**Whereas** the Municipal Council of the Town of Fort Erie further identified in that resolution that Council requires the protection of water in the aquifer supplying water to those wells from contamination as the result of any remediation of Pit One owned by the Port Colborne Quarries in the City of Port Colborne, and further

**Whereas** Report No. PDS-23-2021, approved by Council on March 22, 2021, identified that while the Niagara Peninsula Conservation Authority, The Regional Municipality of Niagara and Local Area Municipalities work together to protect source water, these plans do not generally apply to private servicing, and

**Whereas** Report No. PDS-23-2021 further identified efforts undertaken by the Town of Fort Erie through available provincial planning policy, regulation and legislation to protect source water within the Town of Fort Erie without any explicit ability to designate source water protection for private services, and

**Whereas** on July 28, 2010, through Resolution 64/292, the United Nations General Assembly explicitly recognized the human right to water and sanitation and acknowledged that clean drinking water and sanitation are essential to the realization of all human rights, and

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Mailing Address:

The Corporation of the Town of Fort Erie  
1 Municipal Centre Drive, Fort Erie ON L2A 2S6

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**Whereas** it would be desirable to ensure that those in our community who rely on wells and other private servicing for clean drinking water are afforded the same source water protection as municipal drinking water systems;

**Now therefore it be resolved,**

**That:** The Municipal Council of the Town of Fort Erie recognizes and acknowledges that clean drinking water and sanitation are basic human rights and essential to the realization of all human rights, and further

**That:** The Municipal Council of the Town of Fort Erie requests that the Ministry of Environment, Conservation and Parks consider legislative changes that would permit the expansion of source water protection to aquifers and private services, and further

**That:** This resolution be circulated to The Honourable Doug Ford, Premier of Ontario, the Honourable Jeff Yurek, Minister of the Environment, Conservation and Parks, Wayne Gates, MPP Niagara Falls, Jeff Burch, MPP Niagara Centre, Jennifer Stevens, MPP St. Catharines and Sam Oosterhoff, MPP Niagara West, and further

**That:** This resolution be circulated to all Conservation Authorities and Municipalities in Ontario for their endorsement and support.

Thank you for your attention to this matter.

Yours very truly,



Carol Schofield, Dipl.M.A.  
Manager, Legislative Services/Clerk

[cschofield@forterie.ca](mailto:cschofield@forterie.ca)

CS:dlk

c.c.

The Honourable Jeff Yurek, Minister of Environment, Conservation and Parks [jeff.yurekco@pc.ola.org](mailto:jeff.yurekco@pc.ola.org)

Jeff Burch, MPP, Niagara Centre [jburch-gp@ndp.on.ca](mailto:jburch-gp@ndp.on.ca)

Sam Oosterhoff, MPP, Niagara West [sam.oosterhoff@pc.ola.org](mailto:sam.oosterhoff@pc.ola.org)

Jennifer Stevens, MPP, St. Catharines [JStevens-co@ndp.on.ca](mailto:JStevens-co@ndp.on.ca)

Wayne Gates, MPP, Niagara Falls [wgates-co@ndp.on.ca](mailto:wgates-co@ndp.on.ca)

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Ontario Municipalities



# Community Services

## Legislative Services

April 27, 2021  
File #120203

Sent via email: [premier@ontario.ca](mailto:premier@ontario.ca)

The Honourable Doug Ford, Premier of Ontario  
Legislative Building  
Queen's Park  
Toronto, ON M7A 1A1

Honourable and Dear Sir:

**Re: Province Investigating and Updating Source Water Protection Legislation**

Please be advised the Municipal Council of the Town of Fort Erie at its meeting of April 26, 2021 passed the following resolution:

**Whereas** the Municipal Council of the Town of Fort Erie passed a resolution on October 21st, 2019 identifying that 1,100 private water wells were in operation in the Town of Fort Erie, of which 75% were used for domestic purposes including human and livestock consumption, and

**Whereas** the Municipal Council of the Town of Fort Erie further identified in that resolution that Council requires the protection of water in the aquifer supplying water to those wells from contamination as the result of any remediation of Pit One owned by the Port Colborne Quarries in the City of Port Colborne, and further

**Whereas** Report No. PDS-23-2021, approved by Council on March 22, 2021, identified that while the Niagara Peninsula Conservation Authority, The Regional Municipality of Niagara and Local Area Municipalities work together to protect source water, these plans do not generally apply to private servicing, and

**Whereas** Report No. PDS-23-2021 further identified efforts undertaken by the Town of Fort Erie through available provincial planning policy, regulation and legislation to protect source water within the Town of Fort Erie without any explicit ability to designate source water protection for private services, and

**Whereas** on July 28, 2010, through Resolution 64/292, the United Nations General Assembly explicitly recognized the human right to water and sanitation and acknowledged that clean drinking water and sanitation are essential to the realization of all human rights, and

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Mailing Address:

The Corporation of the Town of Fort Erie  
1 Municipal Centre Drive, Fort Erie ON L2A 2S6

Office Hours 8:30 a.m. to 5:00 p.m. Phone: (905) 871-1600 FAX: (905) 871-4022

Web-site: [www.forterie.ca](http://www.forterie.ca)

**Whereas** it would be desirable to ensure that those in our community who rely on wells and other private servicing for clean drinking water are afforded the same source water protection as municipal drinking water systems;

**Now therefore it be resolved,**

**That:** The Municipal Council of the Town of Fort Erie recognizes and acknowledges that clean drinking water and sanitation are basic human rights and essential to the realization of all human rights, and further

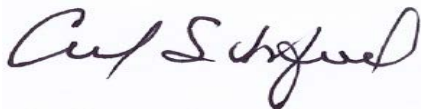
**That:** The Municipal Council of the Town of Fort Erie requests that the Ministry of Environment, Conservation and Parks consider legislative changes that would permit the expansion of source water protection to aquifers and private services, and further

**That:** This resolution be circulated to The Honourable Doug Ford, Premier of Ontario, the Honourable Jeff Yurek, Minister of the Environment, Conservation and Parks, Wayne Gates, MPP Niagara Falls, Jeff Burch, MPP Niagara Centre, Jennifer Stevens, MPP St. Catharines and Sam Oosterhoff, MPP Niagara West, and further

**That:** This resolution be circulated to all Conservation Authorities and Municipalities in Ontario for their endorsement and support.

Thank you for your attention to this matter.

Yours very truly,



Carol Schofield, Dipl.M.A.  
Manager, Legislative Services/Clerk

[cschofield@forterie.ca](mailto:cschofield@forterie.ca)

CS:dlk

c.c.

The Honourable Jeff Yurek, Minister of Environment, Conservation and Parks [jeff.yurekco@pc.ola.org](mailto:jeff.yurekco@pc.ola.org)

Jeff Burch, MPP, Niagara Centre [jburch-gp@ndp.on.ca](mailto:jburch-gp@ndp.on.ca)

Sam Oosterhoff, MPP, Niagara West [sam.oosterhoff@pc.ola.org](mailto:sam.oosterhoff@pc.ola.org)

Jennifer Stevens, MPP, St. Catharines [JStevens-co@ndp.on.ca](mailto:JStevens-co@ndp.on.ca)

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Ontario Conservation and all Ontario Conservation Authorities: [kgavine@conservationontario.ca](mailto:kgavine@conservationontario.ca); [bhomer@abca.ca](mailto:bhomer@abca.ca); [kfurlanetto@crca.ca](mailto:kfurlanetto@crca.ca); [generalmanager@catfishcreek.ca](mailto:generalmanager@catfishcreek.ca); [@cloca.com](mailto:@cloca.com); [mvytyvtskyy@hrca.on.ca](mailto:mvytyvtskyy@hrca.on.ca); [deb.martindowns@cvc.ca](mailto:deb.martindowns@cvc.ca); [tim.pidduck@croweallevy.com](mailto:tim.pidduck@croweallevy.com); [tbyrne@erca.org](mailto:tbyrne@erca.org); [llaliberte@grca.on.ca](mailto:llaliberte@grca.on.ca); [karmstrong@grandriver.ca](mailto:karmstrong@grandriver.ca); [t.lanthier@greysauble.on.ca](mailto:t.lanthier@greysauble.on.ca); [Lisa.Burnside@conservationhamilton.ca](mailto:Lisa.Burnside@conservationhamilton.ca); [majchrowski@kawarthaconservation.com](mailto:majchrowski@kawarthaconservation.com); [elizabeth@kettlecreekconservation.on.ca](mailto:elizabeth@kettlecreekconservation.on.ca); [cullen@lsrca.on.ca](mailto:cullen@lsrca.on.ca); [tammy@lakeheadca.com](mailto:tammy@lakeheadca.com); [jmaxwell@lprca.on.ca](mailto:jmaxwell@lprca.on.ca); [mark.peacock@lvca.ca](mailto:mark.peacock@lvca.ca); [kelly.vandette@ltc.on.ca](mailto:kelly.vandette@ltc.on.ca); [beard@mvca.on.ca](mailto:beard@mvca.on.ca); [David.Vallier@mattagamiregion.ca](mailto:David.Vallier@mattagamiregion.ca); [smcintyre@mvc.on.ca](mailto:smcintyre@mvc.on.ca); [csharma@npca.ca](mailto:csharma@npca.ca); [carl.jorgensen@conservationsudbury.ca](mailto:carl.jorgensen@conservationsudbury.ca); [brian.tayler@nbmca.ca](mailto:brian.tayler@nbmca.ca); [dhevenor@nvca.on.ca](mailto:dhevenor@nvca.on.ca); [dlandry@otonabeeconservation.com](mailto:dlandry@otonabeeconservation.com); [bmcnevin@quinteconservation.ca](mailto:bmcnevin@quinteconservation.ca); [richard.pilon@rrca.on.ca](mailto:richard.pilon@rrca.on.ca); [sommer.casgrain-robertson@rvca.ca](mailto:sommer.casgrain-robertson@rvca.ca); [j.stephens@svca.on.ca](mailto:j.stephens@svca.on.ca); [cbarrett@ssmrca.ca](mailto:cbarrett@ssmrca.ca); [acoleman@nation.on.ca](mailto:acoleman@nation.on.ca); [bmcdougall@scrca.on.ca](mailto:bmcdougall@scrca.on.ca); [John.MacKenzie@trca.ca](mailto:John.MacKenzie@trca.ca); [annett@thamesriver.on.ca](mailto:annett@thamesriver.on.ca)

Ontario Municipalities



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[www.notl.org](http://www.notl.org)

May 21, 2021

**SENT ELECTRONICALLY**

Town of Fort Erie  
1 Municipal Centre Drive  
Fort Erie ON, L2A 2S6

Attention: Carol Scholfield, Dip.M.A., Manager  
Legislative Services/Clerk

Dear Ms. Schofield:

**RE: Province Investigating and Updating Source Water Protection Legislation**

Please be advised the Council of The Corporation of the Town of Niagara-on-the Lake, at its regular meeting held on May 17, 2021 approved the following resolution:

*BE IT RESOLVED that Council endorse the motion from the Town of Fort Erie dated April 27, 2021 regarding the Province Investigating and Updating Source Water Protection Legislation.*

If you have any questions or require further information, please contact our office at 905-468-3266.

Yours sincerely,

Peter Todd, Town Clerk

cc:

The Honourable Jeff Yurek, Minister of Environment, Conservation and Parks [jeff.yurekco@pc.ola.org](mailto:jeff.yurekco@pc.ola.org)  
Jeff Burch, MPP, Niagara Centre [jburch-qp@ndp.on.ca](mailto:jburch-qp@ndp.on.ca)  
Sam Oosterhoff, MPP, Niagara West [sam.oosterhoff@pc.ola.org](mailto:sam.oosterhoff@pc.ola.org)  
Jennifer Stevens, MPP, St. Catharines [JStevens-co@ndp.on.ca](mailto:JStevens-co@ndp.on.ca)  
Wayne Gates, MPP, Niagara Falls [wgates-co@ndp.on.ca](mailto:wgates-co@ndp.on.ca)  
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[deb.martindowns@cvc.ca](mailto:deb.martindowns@cvc.ca); [tim.pidduck@crowevalley.com](mailto:tim.pidduck@crowevalley.com); [tbyrne@erca.org](mailto:tbyrne@erca.org);

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jmaxwell@lprca.on.ca; mark.peacock@ltvca.ca; kelly.vandette@ltc.on.ca; beard@mvca.on.ca;  
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John.MacKenzie@trca.ca; annett@thamesriver.on.ca

**REPORT #6a**

**TO: SOURCE PROTECTION COMMITTEE**

**DATE: JULY 23, 2021**

**SUBJECT: ADMINISTRATION REPORT**

Municipal Meetings – Source Protection Plan Pre-Consultation

As part of the Source Protection Plan Pre-Consultation process under Section 36 of Regulation 287/07 of the *Clean Water Act, 2006*, a Notice was issued to all municipalities, provincial agencies and key stakeholder groups (i.e. Risk Management Officials) on June 14, 2021 with a deadline of July 30<sup>th</sup> to receive comments.

Regulation 287/07 requires that the Source Protection Committee consult with the bodies responsible for the implementation of Source Protection Plan policies before the publication of draft policies. Comments received as part of the Pre-Consultation process will be reviewed by the Source Protection Committee and possible changes made to policies prior to public consultation.

In support of the pre-consultation process, the following meetings were conducted/scheduled to review proposed Source Protection Plan policies:

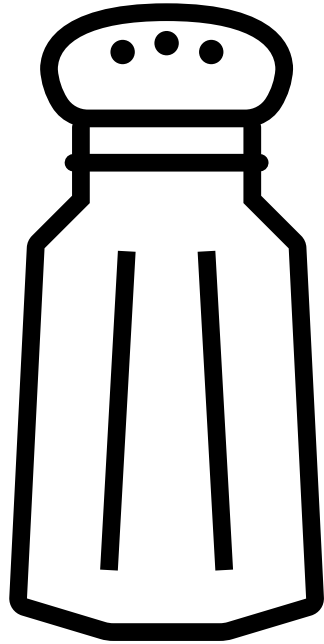
Municipality of Arran-Elderslie	June 16, 2021
Municipalities of Wellington North, Minto and RMO Wellington County	June 18, 2021
Town of Hanover (Public Works and Water Operations)	June 23, 2021
Municipality of Grey Highlands	June 30, 2021
Grey County (Transportation Services)	July 5, 2021
Municipality of Brockton	July 12, 2021
Township of Georgian Bluffs	July 12, 2021

Attached is a copy of the presentation that was used for pre-consultation meetings with affected municipalities.

Respectfully submitted,



Carl Seider  
Project Manager  
Drinking Water Source Protection



# SALT POLICIES

MUNICIPAL STAFF

Carl Seider, Project Manager

Karen Gillan, Program Supervisor

# Scope of the Clean Water Act (CWA), 2006

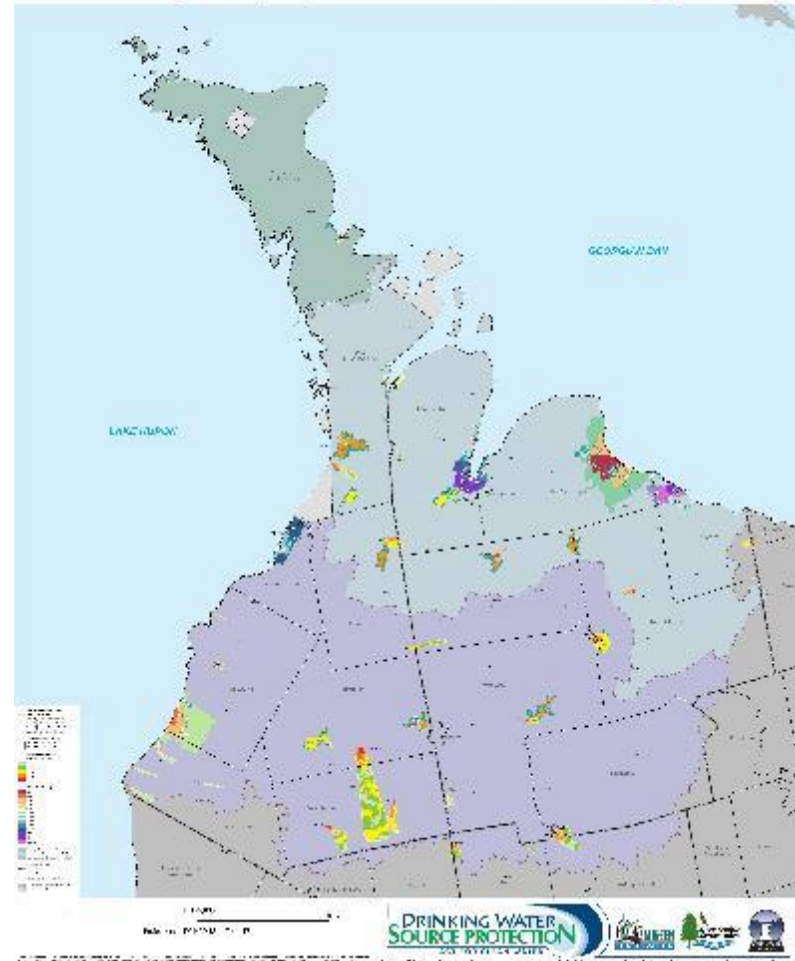
- ▶ The purpose of the CWA is to protect existing and future sources of drinking water from contamination or depletion.
  - ▶ Manages activities that could be a risk to municipal drinking water sources
  - ▶ Relies on existing legislation, regulations and processes to manage risks
  - ▶ Where there is a conflict between pieces of legislation – the one that is more protective of drinking water applies
  - ▶ Part IV of the CWA provides municipalities with the authority to regulate threat activities that may pose a significant risk to drinking water. It is intended to address the gaps where Significant Drinking Water Threats cannot be addressed by other existing planning tools or regulatory instruments.

## SAUGEEN, GREY SAUBLE, NORTHERN BRUCE PENINSULA SOURCE PROTECTION REGION

- 29 systems draw water from a groundwater source (an aquifer)
  - 8 systems draw water from a surface water source (intake)
  - 1 system combines groundwater and surface water
- = 38 municipal drinking water systems in region

### Wellhead Protection Areas and Intake Protection Zones

Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Region



# IMPACTS OF ROAD SALT

- ▶ Contamination of our drinking water sources
- ▶ Damage to infrastructure and vehicles
- ▶ Damage to vegetation and crops
- ▶ Impacts to ecological functions
- ▶ Impacts on aquatic habitat

Over the years, fear of lawsuits has resulted in increased amounts of salt applied to roads and parking lots



# ACTIONS UNDER THE Clean Water Act

- ▶ Where activities are Significant Drinking Water Threats
- ▶ Activities include - application of road salt, handling and storage of road salt
- ▶ Policy approaches
  - ▶ Section 57 prohibitions, e.g., in WHPA-A, IPZ-1
  - ▶ Section 58 Risk Management Plans = Salt Management Plans
  - ▶ Policy differentiations – existing/future, size of parking lots/snow storage area, type of storage (uncovered/covered), vulnerability score
  - ▶ Education and outreach programs (including Smart About Salt programs)
  - ▶ Municipal/MTO Salt Management Plans

# TECHNICAL RULE CHANGES

## **Technical Rule changes to impervious surface area calculations for salt application threats and draft changes to salt storage threat circumstances**

Phase 2 Technical Rules review identified the potential to change impervious surface area calculations where this activity could be considered a significant drinking water threat (e.g. from 80% to 30% impervious surface area).

Furthermore, draft changes to the Tables of Circumstances for storage of road salt require policy wording changes whereby a significant drinking water threat would be considered for:

- (1)  $\geq 10$  kg for IPZs scored 10 and  $\geq 20$  kg WHPAs scored 10 for uncovered storage;
- (2)  $\geq 100$  kg for covered storage;
- (3) designed storage facilities not considered a significant threat.

# Definition of Road Salt

- ▶ Definition of Road Salt - means any solid or liquid chloride-based chemical used to melt ice, provide traction and / or ice / snow control.



# DRAFT POLICIES - Salt Application Threat

## **Policy 12-01: Salt Application Threat - Risk Management Plan: Existing and Future Activity**

s.58 Risk Management Plan/ Implementing Body - RMO

Establishment of a Risk Management Plan is required. The application of road salt may only occur in accordance with an approved Risk Management Plan and is therefore designated for the purposes of s.58 of the *Clean Water Act*, where the following applies:

- a) Where the activity is or would be a significant drinking water threat;
- b) Salt is or could be applied to the property;
- c) The salt application area is equal to or greater than 200 square metres or 8 parking spots; and
- d) The property is used for any land uses except residential consisting of four units or fewer.

As a minimum, the Risk Management Plan shall:

- a. follow best management practices consistent with those used across Canada
- b. employ the latest winter maintenance technologies
- c. identify actions to improve practices in the general use of road salts.

The Risk Management Plan shall be renewed every five years or at the discretion of the Risk Management Official.

Notwithstanding the above, a Risk Management Plan will also be required for any municipal properties where the activity is or would be a significant drinking water threat.

All locations for Risk Management Plans for existing activities shall be inventoried within three years and plans established within five years of the amendment to the Source Protection Plan taking affect.

# DRAFT POLICIES - Salt Application Threat

## **Policy 12-02: Salt Application Threat - Salt Management Plan: Existing and Future Activity**

Specify Action/ Implementing Body - Municipality

Where the application of road salt is or would be significant drinking water threat, the municipality shall review and, if necessary, revise or issue new Salt Management Plans for the application of salt on roadways in all Wellhead Protection Areas. The Salt Management Plan shall include, as a minimum, measures to ensure application rate, timing and location to reduce the potential for salt-related surface water run-off and groundwater infiltration and meet the objectives of Environment Canada's Code of Practice for Environmental Management of Road Salts including the salt vulnerable area mapping to include areas where significant threats can occur.

All locations for Salt Management Plans for existing activities shall be inventoried within three years and plans established within five years of the amendment to the Source Protection Plan taking affect.

# DRAFT POLICIES - Salt Application Threat

## **Policy 12-03: Salt Application Threat - Salt Management Plan: Existing and Future Activity**

Specify Action/ Implementing Body - MTO

To ensure any existing or new application of road salt, where road salt application is or would be a significant drinking water threat, ceases to be or never becomes a significant drinking water threat, the Ministry of Transportation should review and, if necessary, revise or issue new Salt Management Plans for the application of salt on roadways in all Wellhead Protection Areas.

The Salt Management Plan should include, as a minimum, measures to ensure application rate, timing and location reduce the potential for salt-related surface water run-off and groundwater infiltration and meet the objectives of Environment Canada's Code of Practice for Environmental Management of Road Salts including the salt vulnerable area mapping to include areas where significant threats can occur.

All locations for Salt Management Plans for existing activities shall be inventoried within three years and plans established within five years of the amendment to the Source Protection Plan taking affect.

# DRAFT POLICIES - Salt Application Threat

## **Policy 12-04: Salt Application Threat - Salt Application – Education & Outreach: Existing and Future Activity**

Education & Outreach/ Implementing Body - Municipality/Public Health Unit

To ensure any existing or new application of road salt, where this activity is or would be a significant drinking water threat, ceases to be or never becomes a significant threat, the municipality and / or the Public Health Unit shall develop and implement an education initiative addressing the application of road salt. The education program shall encourage the implementation of best management practices that form the core of the Smart About Salt or similar accreditation program to reduce the impact of winter de-icing activities.



# DRAFT POLICIES – Handling and Storage of Salt Threat

## **Policy 13-01: Handling and Storage of Road Salt - Risk Management Plan: Existing and Future Activity**

s.58 Risk Management Plan / Implementing Body - RMO

Establishment of a Risk Management Plan is required. The handling and storage of road salt may only occur in accordance with an approved Risk Management Plan and is therefore designated for the purposes of s.58 of the *Clean Water Act*.

For clarity, a Risk Management Plan is required where the following applies:

- a) Where the activity is or would be a significant drinking water threat;
- b) Salt is handled or stored on the property; and
- c) The property is used for any land uses except residential consisting of four units or fewer.

The risk management plan, at a minimum, will include terms and conditions that mirror a salt management plan, and comply with contemporary standards to ensure the handling and storage of road salt ceases to be a significant drinking water threat.

All locations for Risk Management Plans for existing activities shall be inventoried within three years and plans established within five years of the amendment to the Source Protection Plan taking affect.

# DRAFT POLICIES – Handling and Storage of Salt Threat

## **Policy 13-02: Salt Handling and Storage Threat - Education & Outreach: Existing and Future Activity**

Education & Outreach/ Implementing Body - Municipality/Public Health Unit

To ensure any existing or new handling and storage of road salt, where this activity is or would be a significant drinking water threat, ceases to be or never becomes a significant threat, the municipality and / or the Public Health Unit shall develop and implement an education initiative addressing the handling and storage of road salt. The education program shall encourage the implementation of best management practices that form the core of the Smart About Salt or similar accreditation program to reduce the impact of winter de-icing activities.



# RISK MANAGEMENT MEASURES – Salt Application

- ▶ Winter maintenance contractors hired shall obtain and maintain Smart About Salt certification or equivalent
- ▶ Logs of road salt product application shall be kept and maintained for the active life of the Risk Management Plan
- ▶ Mechanical spreader equipment used shall be calibrated at a frequency by the manufacturer; logs of calibration events shall be maintained and filed
- ▶ Road salt products shall be applied once snow removal has been completed
- ▶ An optimized blend of salt and sand shall be considered, appropriate to the site
- ▶ An annual clean up shall occur at the end of the season to remove any accumulated road salt products

# RISK MANAGEMENT MEASURES – Handling and Storage of Salt

- ▶ Bulk quantities of road salt shall be:
  - ▶ Stored in a covered structure and on an impermeable pad
  - ▶ Loaded and unloaded within a covered structure and on an impermeable pad
  - ▶ Managed and tracked through inventory, logs shall be maintained and filed
  - ▶ Stored in minimal amounts beyond the winter maintenance season
- ▶ Spillage of road salt products are cleaned up immediately
- ▶ Only authorized personnel have access to road salt product storage areas and handling equipment
- ▶ Daily circle check inspections are performed on all equipment used in the handling of road salt product
- ▶ Daily inspections of the road salt product storage areas
- ▶ Grading in front of road salt product storage areas shall be carried out periodically to prevent excessive ponding
- ▶ A site clean-up is performed at the end of each winter maintenance season to remove any accumulated road salt products

# RISK MANAGEMENT MEASURES

## Salt Storage in WHPA-A

- ▶ Road salt shall be:
  - ▶ Stored indoors or in lidded waterproof containers with labels and be securely closed when not in use
  - ▶ Stored up gradient of any snow storage areas, whenever possible
  - ▶ Inspected regularly to ensure road salt storage areas are in good repair
  - ▶ Stored in minimal amounts beyond the winter maintenance season

WHPA-A: The 100-metre radius around the wellhead.

## Operational Practices

- ▶ The person/corporation engaged in the activity shall communicate the Risk Management Plan to all applicable staff and contractors
- ▶ The person/corporation engaged in the activity shall provide applicable employees and contractor with annual training regarding the Risk Management Plan; proof of these training events are to be documented and retained for the active life of the Risk Management Plan

# FINDING THE BALANCE

- ▶ Safety of the travelling public is a priority, road salt is needed during winter conditions
- ▶ Excessive liability concerns need to be addressed. Ontario's liability framework needs review.
- ▶ Third party contractor training is needed
- ▶ Clean Water Act is only legislation that puts in place requirements to reduce amount of road salt entering drinking water sources. Mandatory policies apply in certain areas
- ▶ Source Protection Plan policies on their own ineffective – need to look at broader issues
- ▶ Must find balanced approach to ensure safe conditions for travelling public, protect municipal drinking water sources, and mitigate other environmental impacts



# Questions

## **Drinking Water Source Protection**

237897 Inglis Falls Road, RR 4  
Owen Sound, Ontario, N4K 5N6

Phone: 519-470-3000

Toll Free: 877-470-3001

[c.seider@waterprotection.ca](mailto:c.seider@waterprotection.ca)

[k.gillan@waterprotection.ca](mailto:k.gillan@waterprotection.ca)

## **REPORT #6b**

**TO: SOURCE PROTECTION COMMITTEE**

**DATE: JULY 23, 2021**

**SUBJECT: COMMUNICATIONS**

### **Pre-Consultation Outreach Meetings**

Pre-Consultation letters were sent out June 14<sup>th</sup> and meetings with stakeholders have been scheduled and taken to further discuss the details of the proposed Sec.36 Source Protection Plan amendment. Thus far, the response has been positive to the salt policy changes with an understanding the requirements for salt management plans is becoming a generally accepted best management practice. Virtual meetings held with municipal staff seem to be well received and are an effective way to seek comments/input during this stage of consultation.

#### **General Comment Summary:**

*Stakeholders are seeing limitations in their existing infrastructure that may need to be upgraded– for example; older equipment doesn't have calibration on the machines, logs are currently all completed in paper format, small staff work force to document and maintain plans. Templates for salt management have been gathered and shared with municipalities upon request to help address the concern for increased paperwork.*

*Municipal stakeholders have been open to share and discuss how their awareness of wellhead protection areas and intake protection zones has resulted in the moving of historic salt storage piles to locations either outside of vulnerable zones or downstream locations from these areas. Cement pads at storage yard was also discussed.*

*Municipal staff shared that they receive pressure from business owners to use salt only mixes on sidewalks to avoid sand being tracked into places of business while creating a safe walking surface for the public.*

*Management of road safety standards and the 24-hour services supplied by Ministry of Transportation for certain classes of road was also mentioned.*

*The need to balance requirements for public safety and environmental/source water protection needs to be considered when developing salt management plans. It was noted that in some areas, one accident or lawsuit results in significant increases in salt application in a given area.*

## **Consultation on S.36 Workplan 2021**

With the extension of provincial restrictions associated with Covid-19 pandemic, it was determined that pre-consultation efforts needed to be delayed a couple months to allow time to reach key stakeholders groups.

As a result of this delay, the adjusted communications schedule going forward is:

1. review comments from MECP staff and update documents (March/April 2021)
2. pre-consultation with stakeholders/landowner letters (June – July 2021)
3. public consultation for the required 35 days as per legislation (August – September 2021)
4. Source Protection Committee (SPC) review and consideration of comments from all consultation activities (October – November 2021)
5. final edits to documents and submission (late fall 2021, early winter 2022)

## **Social Media – Spring/Summer Campaign (May 2021- August 2021)**

Conservation Ontario continues to support the public’s awareness and has supplied social media campaign materials for use weekly. The media campaign was based on the following themes: spring runoff (urban & agriculture), spring cleaning, real estate, pet waste, and summer activities. The campaign media posts are being implemented through this region’s Facebook and Twitter accounts. Below is a sample post from this campaign.



## **Grey Bruce Children’s Water Festival**

Visit [www.waterfestival.ca](http://www.waterfestival.ca) to take part in the virtual water festival offered to 4000 students (in-person attendance average is 1500 students/year) across Grey and Bruce Counties from June

until September. Learning kits were assembled and sent to the schools for delivery to all students. Great support from sponsors, teachers, committee members and staff coordinator made this possible. Videos and activities as well as messages from Saugeen Ojibway Nation Elder, Shirley John and Juno award winning musician and environmental/youth enthusiast, Allysha Brilla provide hours of engagement and water themed learning.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "K. Gillan", written in a cursive style.

Karen Gillan

**REPORT #7a**

**TO: SOURCE PROTECTION COMMITTEE**

**DATE: JULY 23, 2021**

**SUBJECT: PROVINCIAL SOURCE PROTECTION PROGRAM UPDATES**

**RECOMMENDATION: THAT the Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Committee receives this Report for information**

On June 14<sup>th</sup>, Conservation Ontario with support from the Ministry of the Environment Conservation and Parks conducted a SPC Chairs update meeting to discuss provincial level updates to the source protection program. At the meeting a number of presentation were provided, with the following highlights noted for SPC awareness and discussion.

**Conservation Authority Act Amendments**

In June 2019, the More Homes, More Choice Act, 2019 amended the Conservation Authorities Act to identify the categories of mandatory programs and services which CAs are required to provide where applicable in their specific jurisdictions. These program and services were amended to include; **CA duties, functions and responsibilities as a source protection authority under the Clean Water Act, 2006.**

A summary of proposed mandatory programs and services for CAs related to source protection authority responsibilities under the Clean Water Act, 2006 include:

- administration of the prescribed composition of the source protection committee and administrative support to source protection committees;
- preparing amendments to assessment reports and source protection plans;
- implementing source protection plan policies assigned to the source protection authority;
- tracking and reporting on the progress of source protection plan implementation;
- assisting the source protection committee in exercising and performing the committee's powers and duties (includes scientific, technical and administrative support and resources);
- updating the text and mapping in an assessment report and source protection plan to include new drinking water systems and associated vulnerable areas or amend vulnerable areas and risk assessments, as provided by drinking water system owners;
- developing or revising policies that address risks to sources of drinking water;
- incorporating new scientific information about sources of drinking water, changes in infrastructure or land use;
- Receiving information from municipalities regarding a proposal to create or modify transport pathways in wellhead protection areas and intake protection zones, or from

municipalities or risk management officials, to determine if assessment reports or plans should be amended; and

- maintaining and providing access to source protection data and information (includes updated mapping).

### **Non-Municipal and Small Drinking Water System**

Staff from the Divisional Water Program Services Section at MECPC provided a presentation of the Ministry's oversight and inspection responsibilities for non-municipal drinking water system. A second presentation was provided from a representative of the local Health Unit to cover their role for small drinking water system.

#### **Requirements for drinking water system owners/operators**

- Ensure drinking water meets prescribed Ontario's Drinking Water Quality Standards and the requirements of the Safe Drinking Water Act
- All sampling, testing and monitoring requirements are complied with Drinking water tests are done by licensed, accredited laboratories
- Anyone who operates or works on their system is properly trained and licensed
- Owner, operating authority, & the laboratories all have obligations to report [Adverse Water Quality Incidents \(AWQIs\)](#)

#### **Reg. 170/03 Non-municipal and small drinking water systems are defined as follows:**

- *Non-municipal year-round residential drinking water systems* that are privately owned and supply drinking water all year-round to people's homes in places such as trailer parks, apartments and condominium and townhouse developments where there are six or more private residences (Local Health Units regulate systems with 6 or more connections that do not operate on a year round basis – Regulation 319/08)
- *Public and privately-owned drinking water systems serving designated facilities* that have their own source of water and provide drinking water to facilities such as children's camps, schools, and senior care homes
- *Small drinking water systems* that provide drinking water to the public where no municipal drinking water system exists, such as restaurants, bed and breakfasts, campgrounds and other public settings, when those systems do not serve designated facilities

Drinking water inspections are completed on a risk based approach depending on the type of system, number of people being serviced, parameters being tested (based on local source water conditions), and past issues/concerns with a given system. These inspections are conducted typically every 4-6 years and a review of treatment records includes:

- sample results,
- equipment documentation,
- logbooks,

- maintenance records
- reports regarding the **source water** or treatment facility, and
- any other documents or items
- the inspector deems relevant.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Carl Seider", written in a cursive style.

Carl Seider  
Project Manager  
Drinking Water Source Protection

## REPORT #7b

**TO: SOURCE PROTECTION COMMITTEE**

**DATE: JULY 23, 2021**

**SUBJECT: SOURCE PROTECTION PLAN PRE-CONSULTATION UPDATES**

**RECOMMENDATION: THAT the Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Committee receives this Report for information and supports extending the Pre-Consultation comment period to August 30, 2021; and**

**FURTHER: THAT the Saugeen, Grey Sauble, Northern Bruce Peninsula Source Protection Committee support moving to the Public Consultation phase, pending a review/response of all comments received during the Pre-Consultation phase.**

### Salt Threat Policies

To-date a number of municipal meetings have been scheduled to review draft Source Protection Plan policies with a focus on salt threat policies affecting municipal works/transportation departments. Overall, the comments received have been generally supportive of the policy wording, with an understanding that the Risk Management Plan/Salt Management Plans are a negotiated process with the municipality to ensure that salt threats are managed effectively.

There are currently a range of Salt Management Plans either in place or general practices used by municipal transportation departments to manage their winter road maintenance activities. The larger municipalities and Counties have detailed Salt Management Plans in place, whereas some of the smaller municipalities only have guidance documents or general procedures to follow. A common theme in the meetings was understanding that there needs to be a balance with maintaining public safety and environmental protection when dealing with salt application and storage activities. It was also acknowledged that it is better to manage the potential for increasing sodium levels in groundwater sources before they become an issue.

Staff also received a request from Bruce County and the RMO for Wellington County to extend the pre-consultation deadline to August 30, 2021 to allow for them to seek comments/feedback from Councils in their areas. Given that our consultation timelines to proceed to the next step of Public Consultation is tentatively scheduled for September, staff feel that this request is reasonable and appropriate to get good feedback and support before proceeding.

### East-Linton EBA Discussions

Staff had a meeting with municipal staff from Georgian Bluffs on July 12<sup>th</sup> to review the East-Linton Events-Based Area policies to address large fuel storage threats. Overall, the municipality

is supportive of the policies and efforts to manage existing/future fuel storage threats within vulnerable areas. Currently there is only one known location where fuel storage threats exceed the threshold where a Risk Management Plan would be required to manage this activity.

#### Ruhl Lake – Backwater Issue

On June 23, 2021 staff had a meeting with public works staff at the Town of Hanover to discuss water management issues that occurred this spring as a result of beaver dams restricting the flow of water in the downstream channel from Ruhl Lake. In March/April of this year, there was significant damming downstream of the Lake that may have resulted in water backing up and possible overtopping the berms around Ruhl Lake. Given these concerns staff attended the site in the capacity of Risk Management Official to ensure that effective risk management measures were still in place to address animal grazing or ASM application activities.

Staff also reviewed possible options to address these threats in the future, including seeking arrangements between the Town and the landowner to monitor and remove beaver dams. Another option would be to extend the IPZ-2 area to include any streams leading to the channel at the downstream end of Ruhl Lake to capture any future threat activities in this area.

At a meeting with the landowner and the Town on July 6, 2021 arrangements were made to develop an agreement to help ensure that future beaver dam activities can be managed quickly and effectively around the Lake.

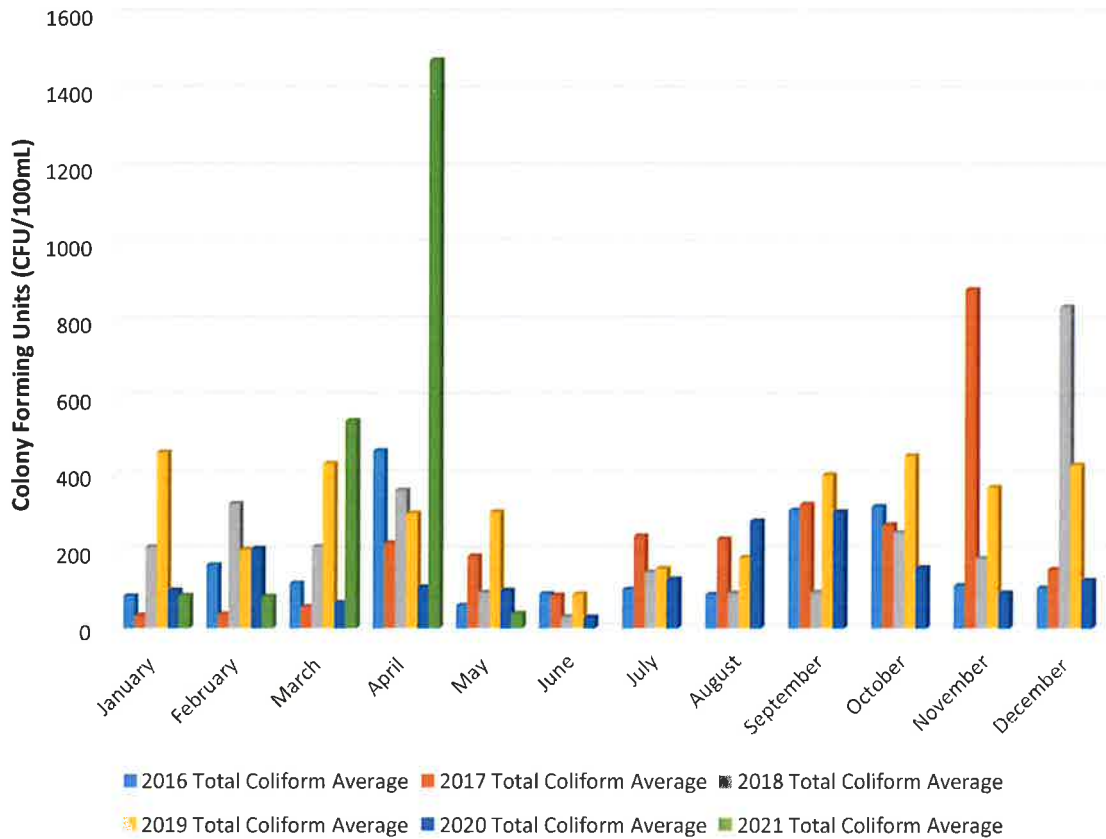
A summary of Total Coliform, E. Coli and turbidity sample results was provided by the Town of Hanover in and appended to this Report.

Respectfully submitted,



Carl Seider  
Project Manager  
Drinking Water Source Protection

### Ruhl Lake Monthly Average Total Coliform

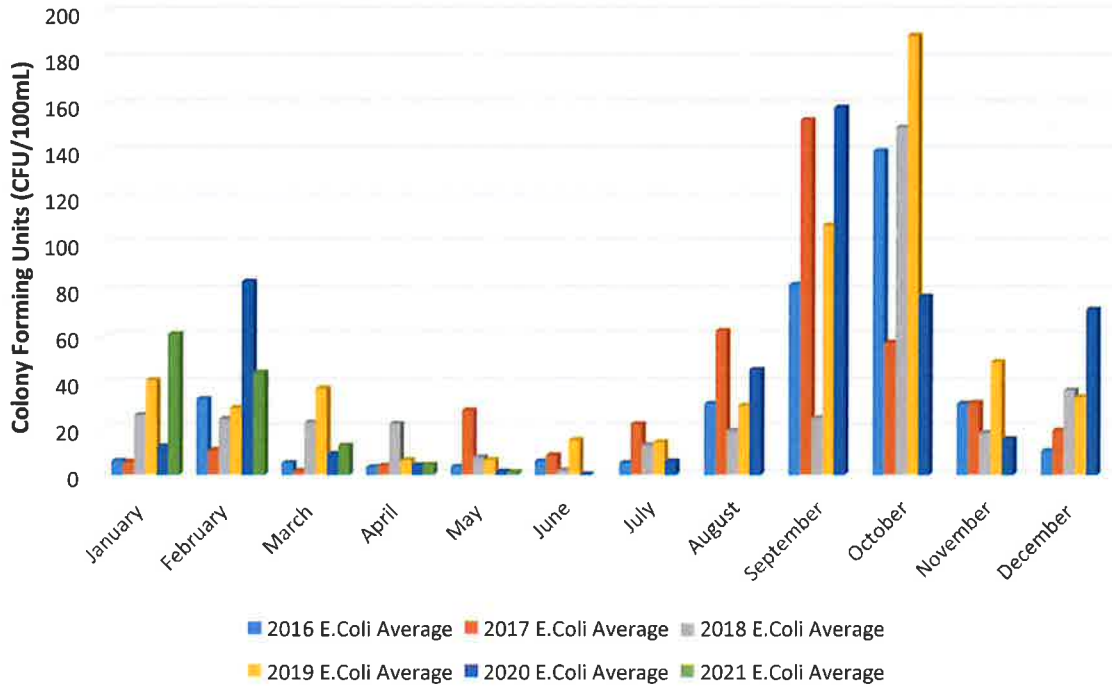


### Yearly Total Coliform Average

<b>2016</b>	227	cfu/100ml
<b>2017</b>	236	cfu/100ml
<b>2018</b>	415	cfu/100ml
<b>2019</b>	314	cfu/100ml
<b>2020</b>	141	cfu/100ml
<b>2021</b>	446	cfu/100ml

(2021 From January to May)

## Ruhl Lake Monthly Average E. Coli

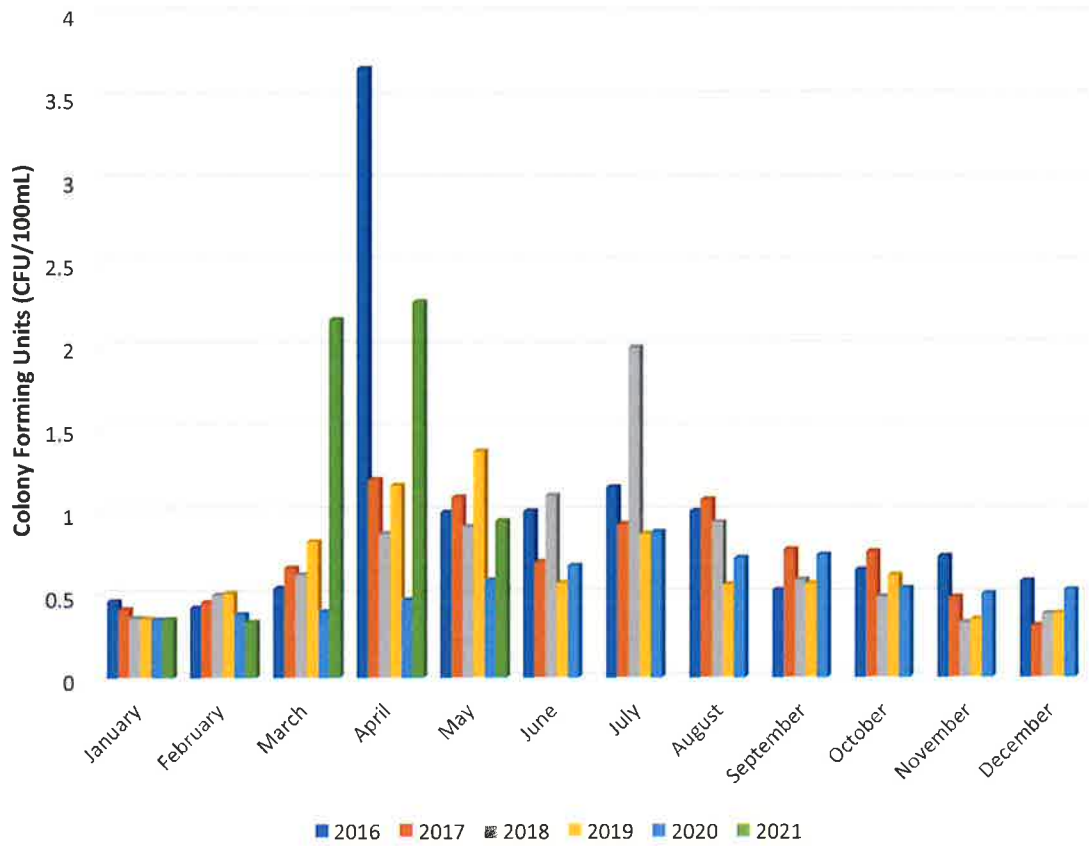


### Yearly E.Coli Average

2016	30	cfu/100ml
2017	34	cfu/100ml
2018	31	cfu/100ml
2019	47	cfu/100ml
2020	41	cfu/100ml
2021	25	cfu/100ml

(2021 From January to May)

### Ruhl Lake Monthly Average Turbidity



### Yearly NTU Average

2016	0.98	NTU
2017	0.74	NTU
2018	0.76	NTU
2019	0.68	NTU
2020	0.57	NTU
2021	1.21	NTU

(2021 From January to May)