



**Kawartha-Haliburton Source Protection Authority
Meeting #1/2025**

Thursday, March 27, 2025, 2:00 p.m.

Kawartha Conservation, Boardroom

277 Kenrei Road, Lindsay, ON K9V 4R1

(Virtual access details to be provided for members unavailable to attend in-person)

Agenda

We would like to acknowledge that many Indigenous Nations have longstanding relationships, both historic and modern, with the territories upon which we are located.

Today, this area is home to many Indigenous peoples from across Turtle Island. We acknowledge that our watershed forms a part of the treaty and traditional territory of the south-eastern Anishinaabeg.

It is on these ancestral and treaty lands that we live and work. To honour this legacy, we commit to being stewards of the natural environment and undertake to have a relationship of respect with our Treaty partners.

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| Municipal Representative | |
| 8) Correspondence - None | |
| 9) New Business | |
| 10) Next Meeting – April 24, 2025 | |
| 11) Adjournment | |



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To: The Chair and Members of Kawartha-Haliburton Source Protection Authority Board of Directors

From: Mark Majchrowski, Chief Administrative Officer

Re: Approval of Minutes

KEY ISSUE:

To approve the minutes of Meeting #2/2024 (April 25, 2024).

RECOMMENDED RESOLUTION:

RESOLVED, THAT, the minutes of Meeting #2/2024 be adopted as circulated.

Minutes are attached for your review and approval.



Kawartha-Haliburton Source Protection Authority Minutes of Meeting SPA #2/24

Meeting #2/24 was held on Thursday, April 25, 2024, in person at the Kawartha Conservation Administration Centre. The Vice-Chair called the meeting to order at 2:00 p.m.

Present: Harold Wright, Vice-Chair
Tracy Richardson, Director
Eric Smeaton, Director - Virtual
Gerry Byrne, Director
Cria Pettingill, Director
Peter Franzen, Director
Pam Sayne, Director
Cam McKenzie, Director
Walt McKechnie, Director – Virtual

Regrets: Pat Warren, Chair
Lloyd Rang, Director
Robert Rock, Director

Vacant: Director, Algonquin Highlands
Director, Mississaugas of Scugog Island First Nations

Staff: Mark Majchrowski, CAO
Jonathan Lucas, Director, Corporate Services
Nancy Aspden, Acting Director, Integrated Watershed Management
Matthew Mantle, Director, Planning and Development Services
Melanie Dolamore, Corporate Services Assistant
John Chambers, Marketing and Communications Specialist
Jenna Stephens, RMO/Source Protection Technician

Guests: None

FIRST NATIONS ACKNOWLEDGEMENT

The Vice-Chair began meeting #2/24 with a First Nations Acknowledgement:

We would like to acknowledge that many Indigenous Nations have longstanding relationships, both historic and modern, with the territories upon which we are located.

Today, this area is home to many indigenous peoples from across Turtle Island. We acknowledge that our watershed forms a part of the treaty and traditional territory of the south-eastern Anishinaabeg.

It is on these ancestral and treaty lands that we live and work. To honour this legacy, we commit to being stewards of the natural environment and undertake to have a relationship of respect with our Treaty partners.

#1 - Adoption of Agenda

RESOLUTION #8/24

MOVED BY: PETER FRANZEN
SECONDED BY: GERRY BYRNE

RESOLVED, THAT, the agenda for Meeting #2/2024 be adopted.

CARRIED

#2 - Declaration of Pecuniary Interest

None.

#3 - Approval of Minutes

RESOLUTION #9/24

MOVED BY: CRIA PETTINGILL
SECONDED BY: GERRY BYRNE

RESOLVED, THAT, the minutes of Meeting #1/2024, be adopted as amended.

CARRIED

#4 - Business Arising from the Minutes

None.

#5 - Update on Trent Source Protection Committee Activities

RESOLUTION #10/24

MOVED BY: GERRY BYRNE
SECONDED BY: TRACY RICHARDSON

RESOLVED, THAT, the update on Source Protection Committee activities be received.

CARRIED

Ms. Stephens provided an overview of the activities of the Source Protection Committee, providing details on the Province's private well water testing program through the Health Department.

#6 – Annual Progress Report

RESOLUTION #11/24

MOVED BY: GERRY BYRNE
SECONDED BY: ERIC SMEATON

RESOLVED, THAT, the Trent Source Protection Plan Annual Progress Report be endorsed, AND,

THAT, the Trent Source Protection Plan Annual Progress Report be submitted to the Lower Trent Source Protection Authority (lead) for delivery to the Ministry of Environment, Conservation and Parks (MECP) as required by Section 46 of the Clean Water Act and Section 52 of Ontario Regulation 287/07.

CARRIED

#7 - Correspondence

None.

#8 - New Business

None.

#9 - Next Meeting

At the call of the Chair, or March 2025.

#10 - Adjournment

There being no further business, the meeting adjourned at 2:34 p.m.

RESOLUTION #12/24

MOVED BY: GERRY BYRNE
SECONDED BY: TRACY RICHARDSON

RESOLVED, THAT, the Kawartha-Haliburton Source Protection Authority meeting #2/24 be adjourned.

CARRIED

Pat Warren
Chair

Mark Majchrowski
CAO



To: The Chair and Members of Kawartha-Haliburton Source Protection Authority Board of Directors

From: Mark Majchrowski, Chief Administrative Officer
 Sarah Lavoie-Bernstein, Source Protection Technician

Re: Update on Trent Conservation Coalition Source Protection Committee Activities

KEY ISSUE:

To provide an update on recent Source Protection Committee activities.

RECOMMENDED RESOLUTION:

RESOLVED, THAT, the update on Source Protection Committee activities be received.

Since our last Source Protection Authority (SPA) meeting held on April 25th, 2024, the Source Protection Committee (SPC) met on October 3rd, 2024. This report summarizes the key topics discussed and outcomes of that meeting. The meeting summary produced for the SPC meeting is attached for information.

Chair's Reports

Chair Jim Hunt noted an October 8th, 2024, Chairs meeting where the Source Protection Committee member re-appointment process will be a key topic of discussion.

Section 34 Updates (Drinking Water System Changes)

Project Coordinator, Keith Taylor provided an update on the King's Bay Section 34 Amendment. Details of the changes to the wellhead protection zone as a result of an additional well to the drinking water system were identified. A recap of the unanimous e-mail consensus to move forward with pre-consultation activities once amendments were approved by the MECP was provided. It was noted that the local RMO will need to re-evaluate the Risk Management Plan(s) for Kings Bay, after MECP approval, and make any updates or establish additional Risk Management Plans if necessary.

Comments received for the Pre-Consultation process were only received from the Ministry of the Environment, Conservation and Parks (MECP), noting the overlap in approval processes for the Trent Source Protection Plan S. 36 Amendment awaiting approval. A 35-day public consultation phase was approved to proceed and ran from October 24, 2024 to November 28th, 2024.

The township of Grafton is drilling a new well, triggering a new Section 34 Amendment. Despite being in its early stages, the Project Manager noted that steps have been made to

For more information, please contact Sarah Lavoie-Bernstein, extension 224.

collaborate with the municipality and consultants to replace the old well and move the project forward.

Section 36 Update (General Source Protection Plan Changes)

The Project Coordinator provided an update on the Section 36 Amendment process, which was submitted December 2023 and was expected to be approved in September 2024. Approval has been delayed regarding a Source Protection Committee policy requiring additional accountability related to reporting on Prescribed Instrument policy implementation.

Program Update

Budget

The Project Coordinator noted that the Budget for the Source Protection Program was approved for a 3-year term (April 1, 2024-March 31, 2027), which was positive, however, there was a significant cut to overhead impacting the program area into the future.

Guidance Documents

Guidance documents for Risk Management Officials and municipalities were drafted to assist the uptake of new policy and technical rules. Included in these documents are sample bylaws for salt storage.

Education and Outreach

If the source protection plan policy amendments are approved by the MECP, it was noted that several policies for significant threats are managed solely through education and outreach tools (road salt, snow storage, incidental uses of pesticides and DNAPLs). An education and outreach program to address this in a consistent way regionally is being fashioned. Interest in and suggestions for salt-related education were identified by several Committee members.

Committee Member Expiry and Renewal

Two thirds of the 21-member Source Protection Committee member's terms of appointment were set to expire December 31, 2024. Thirteen (13) of 14 members expressed interest in continuing membership. One municipal member will not be continuing as they will be moving out of the region and no longer representing municipal interests at the Committee.

Round Table

The Project Coordinated recognized that 2025 marks the 25th anniversary of the Walkerton crisis and requested ways to commemorate this.

An inquiry regarding the inclusion of clusters of wells and smaller community involvement into the municipal source protection program was made. It was noted that background technical work would need to be developed and provided by municipalities who are

For more information, please contact Sarah Lavoie-Bernstein at extension 224.

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considering inclusion of these types of systems, and further, policies would be non-binding for these types of systems as described by the Committee's MECP liaison.

SOURCE PROTECTION COMMITTEE (SPC) MEETING SUMMARY

OCTOBER 3, 2024– NORWOOD-ASPHODEL COMMUNITY CENTRE

1. Chairs Report

- Chair J. Hunt noted an upcoming Chairs meeting on the 8th of October, of which Program Manager Keith Taylor will be attendance. Committee member re-appointment process will be discussed.

2. Section 34 Update

King's Bay

- K. Taylor provided an update on the King's Bay Section 34 Amendment, noted early engagement was completed on the basis of an email-poll of the committee, but requires committee ratification. K. Taylor detailed the changes to the King's Bay well head protection area as a result of a new well being added to the drinking water system.
- K. Taylor noted the staff recommendation from the email poll was:
BY CONSENSUS THAT the Trent Conservation Coalition Source Protection Committee approve moving forward with a Pre-Consultation period for the King's Bay Section 34 amendments and approves requesting that the Lower Trent Source Protection Authority initiates the Pre-Consultation process, once the Ministry of the Environment, Conservation and Parks completes its review of the amendments.
- K. Taylor noted the poll received fifteen "yes" votes, and zero "no" votes.
- A. Hukowich expressed concern regarding the high level of uncertainty of wells. K. Taylor discussed that many factors are included in determining uncertainty, - such as looking at the number of wells nearby to assess vulnerability, the quality of data, the availability of pumping test reports and soil reports, etc. D. Workman added that nearby well records are also analysed.
- K. Taylor noted that there is an existing Risk Management Plan in the King's Bay Wellhead Protection Area, and once the section 34 Amendment is approved, the Risk Management Official will re-evaluate the existing Risk Management Plan to determine if it needs to be updated or if any new risk management plans are required. The Risk Management Official will need to update the Risk Management Plan if necessary.

Pre-Consultation Comments

- K. Taylor provided an overview of comments received from the Ministry of the Environment, Conservation and Parks during the pre-consultation phase, noting these were the only comments received. K. Taylor noted some of the comments are related to complications arising from the fact that the Trent Source Protection Plan S.36 Amendment is still awaiting approval.

- K. Taylor noted the next step is to proceed with a 35-day Public Consultation Phase, of which a motion to proceed has been received from the municipality.

Public Consultation

- K. Taylor noted no dates are confirmed, but King's Bay public consultation is likely to run from mid-October to mid-November to satisfy the required 35-day consultation period.

Grafton New Well

- K. Taylor spoke to the developing situation involving the Township of Grafton bringing a new well online, which will trigger a new Section 34 Amendment. He noted this is still in the early stages, but staff have been working with the Township's consultants and will be setting up a meeting with the Township in the near future.
- A. Hukowich inquired about the reasoning for the need for Grafton to bring a new well online. K. Taylor noted it is replacing an old well that had a minor issue.

3. Leads Report

- Each Source Protection Authority (SPA) Lead Staff member provided a verbal report on the status of their local source protection implementation, including:
 - a. Update on municipal working groups;
 - b. Potential updates or amendments to drinking water systems;
 - c. Update on risk management plans and RMO progress, managing new threats;
 - d. Current issues or challenges;
 - e. Progress on updating new municipal staff on the Source Protection Program;
 - f. Update on education and outreach efforts, events.
- J. Mueller (Ganaraska) noted the Township of Hamilton has initiated a new watershed study, noting she attended an open house for information.
- M. Carter (Otonabee-Peterborough) noted they are working with Peterborough Public Health regarding septic inspections as they are being transferred from public health to the municipalities. Asphodel-Norwood is also in the early stages of assessing updates to their drinking water system.

4. Section 36 Update

- K. Taylor provided an update on the Section 36 Amendment, noting the amendment package was submitted in December 2023 and is currently being reviewed. A summary of final edits required by the Ministry was expected in September but has been delayed because the Ministry has sent a recommendation to the Minister related to our minimum requirement proposal for the Prescribed Instrument Policies. K. Taylor noted six other Committees have or will be also including them.
- Ministry of the Environment, Conservation and Parks (MECP) representative J. McKay suggested that the SPC can write a letter to the MECP regarding this if necessary, the Committee agreed with this, suggesting the chair send a letter as soon as possible, addressed to Tim McCarthy, temporary Minister of the Environment.

5. Program Update

- K. Taylor noted the Budget Request for 2024 to 2027 was approved, and new Transfer Payment Agreement is in place, (a three year term from April 1, 2024, to March 31, 2027). K. Taylor noted there was a significant cut to the overhead, and in the process the Stirling Water Budget was removed.

Section 36 Rollout

- Guidance documents have been drafted for the Risk Management Officials and Municipalities, explaining the new policies and new technical rules. The municipal guidance also includes a sample bylaw for the road salt storage policy. Discussions with the Ministry of Natural Resources may be required to explain the two new aquaculture policies directed at them, including a new monitoring policy which addresses the reporting requirements from them.

Education and Outreach

- K. Taylor noted once S.36 Amendments are approved, we will have several policies for significant threats where Education and Outreach is the only policy tool, including road salt, snow storage, smaller road salt storage, and incidental uses of pesticides and DNAPLs. Staff is developing an education and outreach program to be consistently across the region.
- B. Mayer suggested looking at studies of water softeners and their contribution to salt in aquifers.
- C. Broughton noted including education and outreach efforts regarding chloride and road salt to include the effects on the environment and wildlife, expressing concern that the public isn't making that connection.
- K. Taylor noted there has been discussions with the president of the Loon Lake Cottage Association and they have been encouraging the Ministry of Transportation to use brine and salt-alternatives.

Committee Member Expiry and Renewal

- K. Taylor provided an update of the members expiring and renewing their commitment. He noted 14 of our 21 Sector Member's terms expire on December 31, 2024, however 13 of the 14 have expressed a desire to remain on the committee, and a recruitment process may need to be undertaken to replace one member.

6. Best Practices For Other Systems

- T. Bos provided a report on the Best Practices Program to the committee, including a summary of the Drinking Water Wise Webinar series with statistics from the latest webinar and information on the upcoming one, future plans, and reiterating the importance of access to free well water testing.
- B. Mayer noted they will include a link to the Webinar series on the Haliburton Kawartha Pine Ridge District Health Unit website.

7. Roundtable

- K. Taylor noted next year is the 25th anniversary of the Walkerton crisis and to consider possible ways of commemorating that.
- G. Offshack inquired about allowing for smaller communities and hamlets with clusters of wells (6+ in a small area) to be allowed into the municipal source protection program. K. Taylor suggested the definition to be considered isn't well defined, and an issue is the regulatory components would then come into play such as requiring risk management plans and the staffing such as risk management officials to enforce those. J. McKay commented that there are two ways for them to be added – the municipality would have to support, and pay for the technical work, or for clusters that have already been mapped in vulnerable areas – however only non-binding policies would apply.

8. Next Meeting

- K. Taylor noted there is no set date as of now.



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To: The Chair and Members of Kawartha-Haliburton Source Protection Authority Board of Directors

From: Mark Majchrowski, Chief Administrative Officer
Sarah Lavoie-Bernstein, Source Protection Technician

Re: Annual Progress Report

KEY ISSUE:

To provide the draft Annual Progress Report for submission of comments to the Source Protection Committee.

RECOMMENDED RESOLUTION:

RESOLVED, THAT, the Kawartha-Haliburton Source Protection Authority approve the grade of “P: Progressing Well/On Target” for the status of implementation within the watershed; AND,

THAT, the Source Protection Committee consider including positive commentary regarding the progress on Risk Management Plan policy compliance achieved by the Township of Minden Hills in 2025 tied to Section 3.4 Risk Management Plans in the 2024 Annual Progress Report, Source Protection Plan, AND,

THAT, with consideration of the comment provided, the draft Kawartha-Haliburton Source Protection Authority annual progress report be endorsed and forwarded to the Source Protection Committee for comment in accordance with O. Reg. 287/07.

BACKGROUND

The *Clean Water Act* and associated general regulation 287/07 identify reporting requirements specific to the Source Protection Authority (SPA). There is a need to report to the Minister of the Ministry of the Environment, Conservation and Parks (MECP) on progress related to Source Protection Plan (SPP) implementation.

The SPP created by Source Protection Committees (SPC) also contain a number of reporting policies that must be reported to the SPA annually. This information is aggregated by staff representing the SPA from each of the implementing bodies and summarized, resulting in the content for the annual progress report.

ANNUAL PROGRESS REPORT

O. Reg. 287/07 of the *Clean Water Act* outlines the requirements for the Source Protection Region (SPR) to submit an annual progress report to the MECP. This annual progress report contains implementation information for 2024, which must be

For more information, please contact Sarah Lavoie-Bernstein, extension 224.



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submitted to the Minister of the MECP by May 1, 2025. Each SPR must submit one report per source protection plan (SPP). The region has two SPPs (Trent and Ganaraska), and as such, the Trent SPR will be submitting two reports.

The information to be contained within these reports has been dictated by the MECP in a detailed Supplemental Report, and a simpler “public-facing” document. The public-facing document has been designed to summarize the information in the supplemental document into a more digestible format for general communication purposes.

As of 2021 the Trent Conservation Coalition Source Protection Region has moved away from excel documents which have previously been used to collect annual report information from local implementing bodies and has changed to an online electronic reporting format. The online reporting format is supported by the MECP and Conservation Ontario. Training/refresher webinars were held for all municipal staff who complete the annual report for their municipality.

Annual report information have been compiled at a broadly summarized scale for the Kawartha-Haliburton Source Protection Area and the rest of the Trent Source Protection Region (Attachment – #6b 2024 Annual Progress Report: Trent Source Protection Plan).

Taking advantage of coordinated electronic annual reporting, the process has been streamlined to roll up all source protection authority area reporting into a regional annual reporting framework. Grading content in the report is approved by the Kawartha-Haliburton Source Protection Authority Board of Directors (K-H SPA BOD). Due to tight timing related to the approval of the annual report, the information is also being presented to the SPC for comment and endorsement on March 27, 2025. This regional annual progress report will be submitted to the K-H SPA BOD for endorsement on April 24, 2025, which will allow the lead SPA, Lower Trent, to submit the annual progress report to the MECP by the May 1, 2025, deadline.

ANNUAL PROGRESS REPORT GRADING

The annual progress report for the K-H SPA has been completed using a public facing document template provided by the MECP. Within this document there are 5 sections which require a grade to be assigned (P: Progressing well/on target, S: Satisfactory, or L: Limited progress made) to assess implementation progress as identified below:

- Municipal Progress
- Septic Inspections
- Risk Management Plans
- Provincial Progress
- Awareness and Change in Behaviour

Possible Report Grades

- | | |
|----------|-----------------------------|
| P | Progressing well/on target, |
| S | Satisfactory |
| L | Limited progress made |

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An overall implementation grade for the K-H SPA must be assigned as well, which will help to inform the regional implementation progress grade.

The following ratings and summary of implementation measures proposed:

Municipal Progress:

Municipalities and approval authorities under the *Planning Act* are the implementing body for 56 policies in the Trent SPP.

All municipalities have established standard operating procedures to ensure day-to-day planning decisions conform to the SPP. Five (5) of six (6) municipalities have completed amendments to their Official Plans and three (3) of (4) municipalities have implemented Zoning By-Laws, ensuring that they conform to the SPP. One municipality is in the process for obtaining municipal council approval of amendments and any bylaws. All municipalities have implemented source protection into their Emergency Management Plans.

A rating of **P: Progressing Well/On Target** is suggested.

Septic Inspections:

The Ontario Building Code (OBC) requires that septic system threats be subject to a mandatory inspection program within a drinking water protection zone.

Within the K-H SPA, the septic inspections are completed by the municipal building inspectors or chief building inspectors. All existing septic threats (365) were inspected in the first 5-year phase. In 2024, Kawartha-Haliburton septic systems marked the 4th year in the 5-year inspection phase. Of the 365 existing septic threats, 355 (97%) have been inspected to date, 52 in this reporting period, 2 (4%) of which required maintenance.

A rating of **P: Progressing Well/On Target** is suggested.

Risk Management Plans:

Risk Management Officials (RMOs) are the Implementing Body for 39 policies in the Trent SPP and utilize the following tools which were established under Part IV of the Act, to manage threats: Prohibition (s.57); Risk Management Plans (s.58); and Restricted Land Uses (s.59).

The total number of Risk Management Plans (RMPs) established in the Kawartha-Haliburton SPA in 2024 was 0, maintaining the total number of RMPs at 46. Nine threats remain to be managed in the Kawartha-Haliburton Source Protection Area. The Township Minden Hills is out of compliance currently as no risk management plans have been established to date, however, in the last quarter of 2024, they were able to hire a

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consultant to advance this work. They have recently made progress in 2025 on the development of Risk Management Plans with landowners.

The total number of inspections carried out by a Risk Management Official/Inspector in 2024 was 1, cumulative total of 67. RMOs within the K-H SPA issued 29 Section 59 notices in 2024 for a total of 192 Section 59 notices since the effective date (January 1, 2015) of the Trent Source Protection Plan.

A rating of **P: Progressing Well/On Target** is suggested.

Provincial Progress:

Five provincial ministries reported on progress of 27 policies in our SPP. The ministries have implemented 93% of the TCC policies. The remaining 7% are reported to be in progress.

The table below summarizes the progress achieved for policy implementation as reported by each ministry.

Implementing Body (Provincial Ministry)	Policy Implementation Complete (%)	Policy Implementation In Progress (%)	Policy Implementation Not in Progress (%)
Ministry of Agriculture, Food, and Rural Affairs (OMAFRA)	100	0	0
Ministry of the Environment, Conservation and Parks (MECP)	100	0	0
Ministry of Natural Resources and Forestry (MNRF)	100	0	0
Ministry of Transportation (MTO)	60	40	0
Ministry of Municipal Affairs and Housing (MMAH)	0	100	0

For existing threats, Ontario ministries are reviewing previously issued provincial approvals where they have been identified as a tool to address existing activities that pose a significant risk to sources of drinking water. The provincial approvals are being amended or revoked where necessary to conform with the Trent SPP policies. The policies set out a timeline of 5 years to complete and make necessary changes.

While these Prescribed Instrument reviews reported from the province are identified at 100% complete, the details provided from the Ministry of Environment, Conservation and Parks lacks detail beneficial to understanding issues and potential threats.

A rating of **S: Satisfactory** is suggested.

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Source Protection Awareness and Change in Behaviour:

Signage was identified as an effective tool for raising awareness of the Drinking Water Source Protection (DWSP) program and the importance of protecting sources of municipal drinking water. Prior to 2021, 60 Drinking Water Protection Zone signs have been installed in the Kawartha-Haliburton SPA; 4 on Provincial highways, and 56 on municipal and county roads.

RMOs attended in-person events such as the East Central Farm Show and the International Plowing Match. Vulnerable area maps, source water protection pamphlets, and a Drinking Water Protection Zone road sign were tools used to draw attention and raise awareness.

The threat from Road Salt was a key focus in the Salt Responsibly campaign. This included installing stickers on road salt boxes and placing posters at stores selling de-icing materials. Efforts were also involved in spreading details of the Section 36 Amendment, as well as raising awareness for the new Best Practices for non-municipal drinking water systems.

Fuel and oil threats were a key focus this reporting period. Social media campaigns related to fuel threats were used to remind best management practices, potential impact, while also addressing the Section 36 Amendments to the Trent SPP and solicit comments. Direct mailouts to landowners impacted by the S.36 Amendments

Best Practices initiative has been using the science and knowledge acquired from the SPP to provide owners of private drinking water systems with information about how to protect their sources of drinking water. In 2024, six free webinars were held by partnering groups to provide helpful information for the public to provide increased awareness ([Drinking Water Wise Webinar Series Linked Here](#)).

A rating of **P: Progressing Well/On Target** is suggested.

SUMMARY AND OVERALL PROGRESS GRADE

Policy implementation challenges were addressed through the S.36 Amendment, submitted in December, 2023, for which approval has been delayed.

The grading suggested for each of the implementation categories is summarized below. As illustrated, the majority of categories score a grade of Progressing Well/On Target, with the exception of implementation category for Provincial Progress.



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Implementation Category	Suggested Grade	
Municipal Progress	Progressing Well/On Target	P
Septic Inspections	Progressing Well/On Target	P
Risk Management Plans	Progressing Well/On Target	P
Provincial Progress	Satisfactory	S
Awareness and Behaviour Change	Progressing Well/On Target	P
Overall	Progressing Well/On Target	P

Staff are seeking Board approval of the suggested status of P: Progressing Well/On Target for implementation of all implementation categories within the Kawartha-Haliburton Source Protection Area.

2024 Annual Progress Report Trent Source Protection Plan

Prepared by:

Trent Conservation Coalition Source Protection Region



MESSAGE FROM THE CHAIR OF THE TRENT CONSERVATION COALITION SOURCE PROTECTION COMMITTEE

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On behalf of the Trent Conversation Coalition Source Protection Committee, it is my pleasure to introduce the 2024 Annual Progress Report on the implementation of the Trent and Ganaraska Source Protection Plans. These reports reflect the results of the required reporting that implementers, of the Source Protection Plan Policies, must submit each year. This exercise allows our Source Protection Committee to determine if the policies are effective and being implemented as intended, to protect sources of municipal drinking water.

Throughout 2024, the Ministry of the Environment, Conservation and Parks has been considering several amendments to our Source Protection Plans, proposed by our committee, to address changes to the Technical Rules that guide the Source Protection Program and to improve the effectiveness of some policies, where issues have been identified. Our staff has been working with the Ministry throughout 2024, to fine tune our proposed amendments and we are looking forward to having them approved early in 2025.

As always, our main objective is to protect sources of municipal drinking water, which was identified as the first barrier in a multi-barrier approach to safer drinking water by the Walkerton Commission. Our Assessment Reports and Source Protection Plans are science based, and as new science emerges our staff and committee will adapt to any changes that can further enhance our efforts.

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MESSAGE FROM THE CHAIR OF THE TRENT CONSERVATION COALITION SOURCE PROTECTION COMMITTEE

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The knowledge we have gained can also be applied to other uses, such as providing education and outreach to those Ontarians who get their drinking water from private wells or intakes. In our region this represents about 50% of the people. I am so encouraged that our Source Protection Region staff has been partnering with our neighbouring regions in Eastern Ontario to present webinars that are designed to help people on private systems. These webinars include topics such as, “Well Care” and “Septic System Care” and are available on our website. <https://trentsourceprotection.on.ca/resources/media>

I would like to thank the Risk Management Officials, the municipalities and the provincial ministries that provided information regarding their implementation of Source Protection Plan policies. It always reminds me of how complex and important the work they do is, in order to provide the cleanest and safest sources of drinking water.

Each year, as we prepare these Annual Reports, there is an undeniable sense of pride reflected in the staff and the Source Protection Committee. I encourage you to read this progress report, in the hope that you will gain an understanding of the magnitude and importance of the work we do each year.

- Jim Hunt, Chair of the Trent Conservation Coalition Source Protection Committee.

The Trent Conservation Coalition Source Protection Region's Annual Progress Report for the Trent Source Protection Plan (SPP) provides a status update of implementation since the SPP came into effect on January 1st, 2015 through to December 31st, 2024.

This report is produced by the Trent Conservation Coalition (TCC) for:

- Residents and businesses within the watershed
- Trent Conservation Coalition Source Protection Committee (SPC), and
- Municipalities and other local stakeholders.

A separate Annual Progress Report for the Ganaraska Source Protection Plan is also available.

The format of this report is based on broad categories, identified by the Ministry of the Environment, Conservation and Parks (MECP), to facilitate legislative reporting and tracking of progress made towards the implementation of the Trent Source Protection Plan, and other source protection plans across the province.

1.1 CLEAN WATER ACT, 2006

In response to the *Report of the Walkerton Inquiry (The Honourable Dennis R. O'Connor, 2002)* and its recommendation for a multi-barrier approach to providing safe drinking water, the Ontario government passed the *Clean Water Act, 2006* (the Act). The purpose of the Act is to protect sources of municipal drinking water through collaborative, watershed-based source protection plans that are locally developed and based on science.

How is it protected?

Under the *Clean Water Act*, local **source protection plans** are in place across Ontario.

These plans protect municipal drinking water sources from contamination and overuse

More than **10** million people are protected through the Ontario Drinking Water Source Protection Program

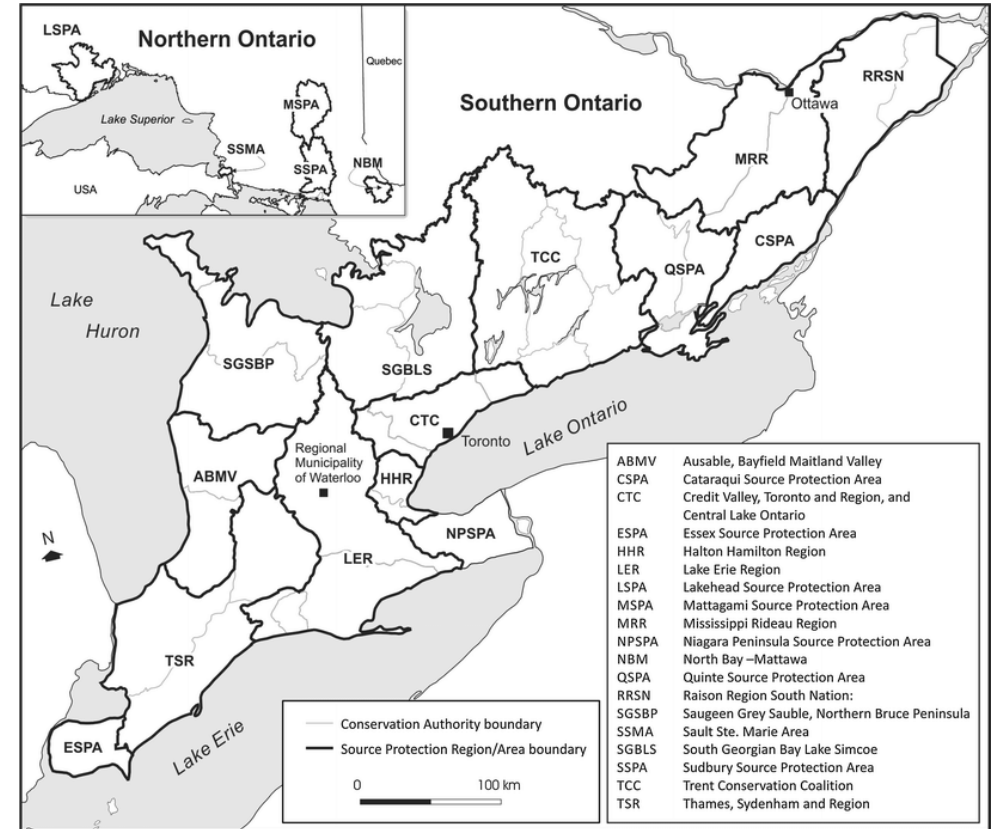
We all **play a role** in keeping our sources of drinking water clean and abundant

¹Statistics Canada, 2013

1.2 SOURCE PROTECTION PROGRAM

The *Clean Water Act* led to the creation of the Drinking Water Source Protection (DWSP) program, which established 19 source protection regions and 38 source protection areas in Ontario. The DWSP program protects current and future municipal residential drinking water sources from contamination and overuse by developing collaborative watershed-based source protection plans. A source protection plan is the first barrier in a multi-barrier approach.

The Trent Source Protection Plan includes mandatory and strategic policies that have been developed by the Trent Conservation Coalition Source Protection Committee in consultation with provincial ministries, municipalities, businesses, landowners and other stakeholders. The plan identifies the party that is responsible for implementing a policy (implementing bodies). The implementing bodies are required by the *Clean Water Act* and its regulations to report on the implementation progress of policies in the Plan.



The Trent Conservation Coalition Source Protection Region

The Trent Conservation Coalition (TCC) Source Protection Region is comprised of five source protection areas. The Trent Source Protection Plan (SPP) applies to the source protection areas, identified below, that are within the Trent River Watershed. The Ganaraska Source Protection Plan is a separate plan for the Ganaraska Source Protection Area. This report was prepared based on annual reporting information submitted by implementing bodies for the Trent Source Protection Plan.

- Kawartha-Haliburton Source Protection Authority;
- Otonabee-Peterborough Source Protection Authority;
- Crowe Valley Source Protection Authority;
- Lower Trent Source Protection Authority.

1.3 OUR WATERSHED

TCC Source Protection Region Quick Facts:

- Population in the TCC: 400,000 (including Ganaraska)
- Area: TCC = 14,500 km²
- Area: Trent River Watershed= 12,900 km²
- Number of drinking water systems in the TCC SPR: 53 (includes one planned groundwater system)
- Number of surface water systems in the TCC SPR: 18
- Number of groundwater systems in the TCC SPR: 35 (includes one planned system)
- Population serviced by municipal residential drinking water systems in the Trent River Watershed: more than 150,000
- Number of municipalities in the TCC SPR with residential drinking water systems: 27 (22 lower tier, 5 upper tier)
- Number of municipalities in the TCC SPR with at least part of a vulnerable area in their jurisdiction: 43 (38 lower tier, 5 upper tier)
- Number of policies in the Trent Source Protection Plan: 138
- Number of Issue Contributing Areas in the Trent Source Protection Plan: 1 (Stirling system)
- Effective date of the Trent Source Protection Plan: January 1, 2015



Otonabee-Peterborough Source Protection Area

- The Otonabee-Peterborough Source Protection Area (O-P SPA) has an approximate population of 147,446 and includes portions of twelve (12) municipalities and three (3) First Nations Reserves. It covers approximately 3,365 km² and is comprised of the Otonabee Region Watershed (1,915 km²) and areas to the north (1,365 km²) which include portions of Haliburton and Peterborough Counties.
- Approximately 62% of the population, or 91,508 people, obtain drinking water from eleven (11) municipal residential drinking water systems in the O-P SPA. Three (3) municipal drinking water systems, Lakefield, Peterborough and Hastings, draw from surface water sources (the latter extends into the Municipality of Trent Hills in the Lower Trent Source Protection Area). Eight (8) residential drinking water systems draw on groundwater to serve approximately 3% of the population, or 4,929 people, in the communities of Alpine Village/Pirates Glen, Birch Point Estates, Buckhorn Lake Estates, Crystal Springs Subdivision, Keene Heights Subdivision, Millbrook, Norwood, and Pinewood.
- There are two (2) populated First Nation Reserves in the O-P SPA, Curve Lake and Hiawatha, with a combined population of approximately 1,543 that is primarily served by private wells.



Kawartha-Haliburton Source Protection Area

- The Kawartha-Haliburton Source Protection Area (K-H SPA) is comprised of watersheds that represent the jurisdiction of Kawartha Conservation, and an additional watershed area to the North primarily within Haliburton County.
- The K-H SPA covers an area of 5,406 km² and is located within the southcentral region of Ontario, fringing on the Greater Toronto Area to the south and Algonquin Park to the north. There are 11 municipalities within or partially within the Source Protection Area. Approximately 45% of the population, or 38,050 people, obtain their drinking water from 22 municipal residential drinking water systems in the K-H SPA.
- There are six existing municipal residential drinking water systems in the source protection area that obtain their water from surface water sources. These systems serve about 22,350 people in the communities of Bobcaygeon, Fenelon Falls, Kinmount, Lindsay, Norland and Southview Estates.
- There are 16 existing municipal residential drinking water systems in the source protection area that obtain their water from groundwater sources. These systems serve about 15,700 people in the communities of Blackstock, Canadiana Shores, Greenbank, Janetville, Kings Bay, Lutterworth Pines, Manorview, Mariposa Estates, Minden, Pleasant Point, Port Perry, Sonya, Victoria Glen, Victoria Place, Woodfield, and Woods of Manilla.
- The Mississaugas of Scugog Island First Nation is located within the Source Protection Area.



Crowe Valley Source Protection Area

- The Crowe Valley Source Protection Area covers an area of approximately 2,006 km² and includes the entire Crowe River watershed. There are 10 municipalities located within or partially within the Crowe Valley Source Protection Area. The total population of these municipalities is 46,074 (Statistics Canada, 2021), and about 12,446 of them are located within the source protection area boundary.
- Drinking water systems in the Crowe Valley Source Protection Area include municipal and non-municipal systems of various sizes that draw raw water from both groundwater and surface water sources.
- About 35% of the population in the Crowe Valley Source Protection Area (approximately 3,700 people) obtains their drinking water from four municipal residential drinking water systems.
- There is one existing municipal residential surface water supply system in the source protection area that obtains water from a surface water source. This system serves about 1,300 people in the community of Marmora.
- There are three existing municipal residential groundwater supply systems in the source protection area that obtain their water from groundwater sources. These systems serve about 2,400 people.



Lower Trent Source Protection Area

- The Lower Trent Source Protection Area includes the area under the jurisdiction of the Lower Trent Region Conservation Authority (2070 km²) and the area outside of Conservation Authority jurisdiction between the Lower Trent, Otonabee, and Crowe Valley watersheds (45 km²). The Lower Trent Source Protection Area is bordered on the south by Lake Ontario and the Bay of Quinte. Rice Lake forms the northwestern boundary of the region. There are nine municipalities located within or partially within the Lower Trent Source Protection Area. The total population of these municipalities is 112,469 (Statistics Canada, 2021) and more than 88,000 of them are located within the source protection area boundary.
- About 60% of the source protection area population (over 48,400 people) in the Lower Trent Source Protection Area obtains their drinking water from 10 municipal residential drinking water systems.
- There are six existing municipal residential surface water supply systems in the source protection area that serve about 36,600 people in the communities of Bayside, Campbellford, Frankford, Hastings, Trenton and Warkworth.
- There are four existing municipal residential groundwater supply systems in the source protection area that obtain their water from groundwater sources. These systems serve about 11,800 people in the communities of Brighton, Colborne, Grafton and Stirling.
- The Alderville First Nation, located south of Rice Lake, is the only First Nation in the Lower Trent Source Protection Area. The reserve has a population of approximately 575 and a population density of 50 people/km² with most residents of Alderville First Nation being serviced by private wells.



LOWER TRENT
CONSERVATION

DRINKING WATER
SOURCE PROTECTION

Our Actions Matter

1.3 OUR WATERSHED

LOCATION OF MUNICIPAL WELLS AND INTAKES SUBJECT TO THE CLEAN WATER ACT



2. A MESSAGE FROM YOUR SOURCE PROTECTION COMMITTEE

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Our progress score on achieving source protection plan objectives in this reporting period is as follows:

✓	P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
	S: Satisfactory: Some of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.
	L: Limited progress made: A few source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.

The rationale for the Source Protection Committee (SPC) to select the “progress score” is as follows:

The SPC arrived at this consensus based on a summary of information provided by Source Protection Authorities through the draft Annual Progress Report presented on March 27, 2025 at a TCC Source Protection Committee meeting. The SPC reviewed each section, then assessed the progress score by applying the criteria above. The committee settled on the progress score of “**Progressing well/on target**” because implementation of the Trent Source Protection Plan policies are mostly complete across all four SPAs.

2.1 METHOD OF EVALUATION

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Implementation of the Trent Source Protection Plan is an important element of a multi-barrier approach to protecting municipal residential drinking water sources. To evaluate implementation effectiveness, a monitoring component is included for each policy. The Ministry of the Environment, Conservation and Parks (MECP) has identified a reporting process for the monitoring component that includes the preparation of an Annual Progress Report. In order to report on implementation progress to the MECP, the implementing bodies submit information on their progress through use of a standardized template to the Source Protection Authorities and the Region. This information is then used to develop this Annual Progress Report.

3. PROGRESS ON SOURCE PROTECTION PLAN IMPLEMENTATION


3.1 SOURCE PROTECTION PLAN POLICIES

Across the Trent Conservation Coalition Source Protection Region, all policies that address significant drinking water threats are implemented, in progress or have been evaluated and determined to require no further action(s).

The percentage of policy progress across the Trent Source Protection Plan was determined through the following information:

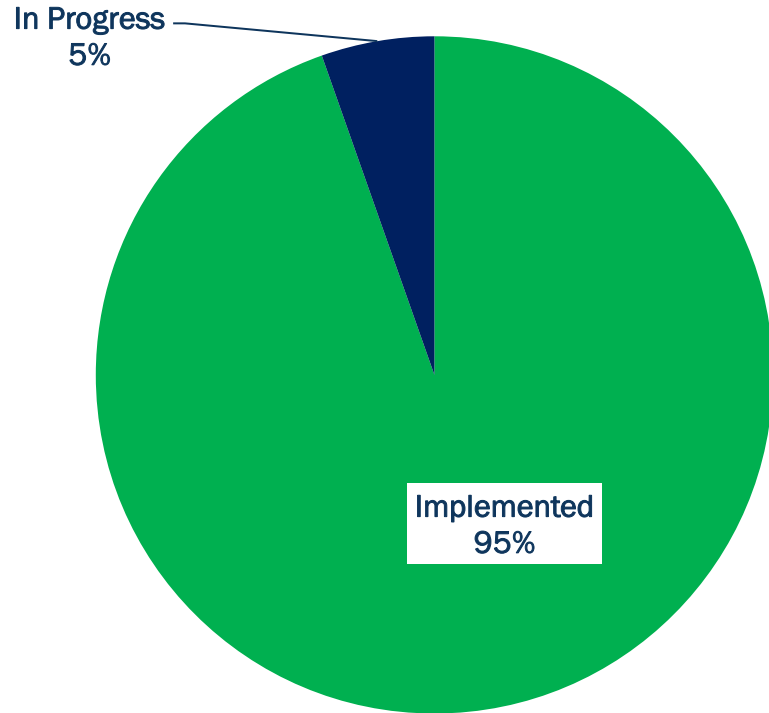
Source Protection Area	Percent Policies Implemented, In progress or evaluated as no further action required	Progress Score Assigned by SPA
Otonabee-Peterborough	100%	P: Progressing well / on target
Kawartha-Haliburton	100%	P: Progressing well / on target
Crowe Valley	100%	P: Progressing well / on target
Lower Trent	100%	P: Progressing well / on target

Our overall progress score across the Trent Source Protection Plan on achieving source protection plan objectives in this reporting period is as follows:

 P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.

3. PROGRESS ON SOURCE PROTECTION PLAN IMPLEMENTATION

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Municipal Policy Implementation Status *

- Implemented: 94.6% (754)
- In Progress: 5.4% (43)
- No Progress Made: 0%

*(Including Ganaraska, and only applicable policies)

3.2 MUNICIPAL PROGRESS – ADDRESSING RISKS ON THE GROUND

Municipalities and approval authorities under the *Planning Act* are the Implementing Bodies for 56 policies in the Trent Source Protection Plan. The jurisdictions of 43 municipalities lies within the Trent Conservation Coalition Source Protection Region, however of those, 27 municipalities (22 lower tier and 5 upper tier) contain vulnerable areas where Source Protection Plan polices apply.

For the Trent Source Protection Plan, a summary of key information and progress scores is as follows:

Source Protection Area	% Official Plan Policies Implemented	% Zoning By-Law Policies Implemented	% Emergency Management Policies Implemented	Progress Score assigned by SPA
Otonabee-Peterborough	100% (8/8)	86% (6/7)	100%	P: Progressing well / on target
Kawartha-Haliburton	83% (5/6)	75% (3/4)	100%	P: Progressing well / on target
Crowe Valley	100% (4/4)	100% (4/4)	100%	P: Progressing well / on target
Lower Trent	71% (5/7)	67% (4/6)	100%	P: Progressing well / on target

Note: All municipalities who have not fully implemented are reported as being “in progress”, including waiting on council approval for updates. Zero (0) municipalities report they have not started.

3.2 MUNICIPAL PROGRESS – ADDRESSING RISKS ON THE GROUND

Under the category “% Official Plan and Zoning By-Law Policies Implemented” all municipalities are in process of implementing. The majority of municipalities have amended their Official Plans or are waiting for municipal council approval of these amendments. All municipalities have implemented source protection into their Emergency Management Plans.

Our overall progress score on achieving source protection plan objectives in this reporting period is as follows:



P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.

3.3 SEPTIC INSPECTIONS

While outside the scope of the *Clean Water Act*, The Ontario Building Code (OBC) requires that septic system threats be subject to a mandatory inspection program. Based on the location of individual septic systems, the responsibility to undertake these inspections may be that of the local Health Unit/department, municipality, or Conservation Authority depending on which body is empowered as the principal authority (municipalities).

Compliance Date Summary	
Existing	5 years from notice on EBR (November 3, 2019)
Future	When the plan takes effect (January 1, 2015)

Compliance dates for existing sewage system inspections (those constructed by the following date) are set by the s. 1.10.2.4 (2)(a)(i)(A) of O. Reg. 315/10: BUILDING CODE to be five years after the date of publishing of the Assessment Report on the Environmental Bill of Rights. Or, five years after the construction of the sewage system, in the case of a sewage system constructed on or after the date of publication. The EBR Registry Number is 012-2699 and was posted November 3rd, 2014 therefore the compliance date for most existing sewage systems is November 3rd, 2019, and every five years after.



3.3 SEPTIC INSPECTIONS

The progress of septic inspections for the Trent Source Protection Authorities is as follows:

SPA (Compliance period)	Inspection Agency(ies)	# Systems Requiring Inspection (for 5 year compliance period)	# Inspections (this reporting period)	# Requiring Maintenance	# and (% Complete)
Otonabee-Peterborough	Municipal Building/Septic Inspectors and Peterborough Public Health	193	14	3 (21%)	189 (98%)
Kawartha-Haliburton	Municipal Building Inspectors	365	52	2 (4%)	355 (97%)
Crowe Valley	Municipal Building Inspectors and Peterborough Public Health (Havelock)	45	2	0 (0%)	16 (36%)
Lower Trent	Municipal Building Officials and Septic Inspectors	156	0	0 (0%)	119 (76%)

3.3 SEPTIC INSPECTIONS

For Kawartha-Haliburton, Crowe Valley and Lower Trent, 2024 marked year 4 of their 5-year cycle for inspections.

It should be noted that overall, 100% of existing septic threats were inspected in accordance with the previous 5-year compliance period from the Ontario Building Code.


Of the inspections completed in 2023, 5% required maintenance, mostly minor, and 95% function as required.

Due to the shifting five year cycles of sewage system reporting there are varied levels of completion among the Source Protection Areas.

For Otonabee-Peterborough, 2024 is year 1 of their third 5-year cycle. Otonabee-Peterborough achieved 90% compliance for the previous period.

Source Protection Area	Standard Operating Procedures in place for future threats?
Otonabee-Peterborough	100%
Kawartha-Haliburton	100%
Crowe Valley	100%
Lower Trent	100%

All municipalities and/or health units have standard operating procedures to ensure OBC compliance and thus ensure that future septic systems do not become significant threats.

 **P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.**

3.4 RISK MANAGEMENT PLANS Page 41 of 61

Risk Management Officials (RMOs) are the Implementing Body for 39 policies in the Trent Source Protection Plan, and utilize the following tools which were established under Part IV of the Act, to manage threats: Prohibition (s.57); Risk Management Plans (s.58); and, Restricted Land Uses (s.59).

Compliance Date Summary	
Existing	8 years from plan taking effect (January 1, 2023)
Future	When the plan takes effect (January 1, 2015)

Existing threats have a 5-year compliance date. Future threat policies are effective when the plan takes effect. In 2020, the MECP approved an extension of 2 years due to COVID-19 and other delays.

3.4 RISK MANAGEMENT PLANS Page 42 of 61

Source Protection Area	# RMP's Established in Reporting Period	# Significant Threats Managed	# of Threats remaining to be managed	# Inspections
Otonabee-Peterborough	0	0	2	3
Kawartha-Haliburton	0	0	9	67
Crowe Valley	0	0	0	0
Lower Trent	5	6	0	24

Five (5) Risk Management Plans have been established for this reporting period. These 5 plans collectively manage a total of 6 significant drinking water threats. Risk Management Officials report an ongoing effort to refine the number of significant drinking water threats based on information gathered from site visits, direct contacts and other means. The number of threats remaining has been revised to not include septic threats, and as a result as reduced to 11 (8 Fuel, 3 DNAPL).

The 2 threats remaining in the Otonabee-Peterborough Source Protection Area are not out of compliance.

The 9 threats remaining to be managed in the Kawartha-Haliburton Source Protection Area are in Township of Minden Hills. The Township Minden Hills is out of compliance, having not completed any risk management plans. In 2024, they hired a consultant to negotiate the necessary risk management plans, but no progress was made.

The total number of inspections carried out by a Risk Management Official was 94. The compliance rate with the Risk Management Plans established is 100%.

A total of 97 Section 59 notices were issued for this reporting period. The processes to screen development applications is reported to be working and some municipalities continue to fine tune their screening processes to improve efficiencies.

3.4 RISK MANAGEMENT PLANS Page 43 of 61

The contact details for the Risk Management Officials can found on the Trent Conservation Coalition website:

<http://trentsourceprotection.on.ca/risk-management/contact-your-risk-management-official-inspector>.



P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan. The exception is the implementation of Risk Management Plans in the Township of Minden Hills.



3.5 PROVINCIAL PROGRESS: ADDRESSING RISKS ON THE GROUND

Five provincial ministries reported on progress of 27 policies in our Source Protection Plan.

The ministries listed below have implemented 93% of the TCC policies. The remaining 7% are reported to be in progress. The table below summarizes the progress achieved for policy implementation as reported by each ministry:

Implementing Body	Policy Implementation Complete (%)	Policy Implementation in Progress (%)	Policy Implementation Not Started (%)
Ministry of Agriculture, Food, and Agribusiness(OMAFA)	(100%)		
Ministry of the Environment, Conservation and Parks (MECP)	(100%)		
Ministry of Natural Resources and Forestry (MNRF)	(100%)		
Ministry of Transportation (MTO)	(60%)	(40%)	
Ministry of Municipal Affairs and Housing (MMAH)		(100%)	

3.5 PROVINCIAL PROGRESS: ADDRESSING RISKS ON THE GROUND

For existing threats, Ontario ministries are reviewing previously issued provincial approvals (i.e., prescribed instruments, such as environmental compliance approvals under the Environmental Protection Act) where they have been identified as a tool in the Trent Source Protection Plan to address existing activities that pose a significant risk to sources of drinking water. The provincial approvals are being amended or revoked where necessary to conform with the Trent Source Protection Plan policies. Our policies set out a timeline of 5 years to complete the review and make any necessary changes.

The Ministry of the Environment, Conservation and Parks reports that the percent progress made on prescribed instruments (PI) review is 100% for the following categories:

- Waste disposal sites – landfilling and storage
- Sewage Works/Wastewater
- Municipal Drinking Water Licences & Drinking Water Works Permits

The Ontario Ministry of Agriculture, Food and Rural Affairs reports that the percent progress made on prescribed instruments (PI) review is 100% for the following categories:

- Nutrient Management Strategies (NMS)
- Non-Agricultural Source Material (NASM) Plans

(continued on next page)

3.5 PROVINCIAL PROGRESS: ADDRESSING RISKS ON THE GROUND

The Ministry of Transportation reports that a process is in place to ensure Prescribed Instrument holders comply with the terms and conditions of their Prescribed Instrument.

For future threats, Ministries reported that 100% are implemented, with standard operating procedures in place where applications are reviewed to ensure the proposed activities conform to our policies.

There is a problem with the reporting from the MECP. Staff have determined that while these Prescribed Instrument reviews are 100% complete, the information provided from the reporting has not been sufficient. The MECP reporting lacks details and specifics beneficial to understanding issues regarding our drinking water systems and potential threats.

Examples include:

- MECP's Agricultural Source Material and Non-Agricultural Source Material Inspections – reporting an issue of non-compliance, without providing details about the non-compliance or where it occurred.
- MECP's Sewage Prescribed Instrument reporting – Stating that a Standard Operating Procedure is in place, but no “description of the conditions of the Prescribed Instrument” as set out in our monitoring policy.
- There are repetitive generic responses
- When reporting on future Prescribed Instrument the MECP provided details about inspection, which doesn't answer the question.

Our progress score on achieving source protection plan objectives in this reporting period is as follows:



S: Satisfactory: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan. The MECP's commitment to improve their reporting will help to upgrade this score in the future.

3.6 AWARENESS AND CHANGES IN BEHAVIOUR – EDUCATION & OUTREACH

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Ten (10) policies in the Trent Source Protection Plan utilize the education and outreach (E & O) tool to influence behavior and encourage the voluntary adoption of practices to better protect sources of municipal drinking water.

Road signage was identified as an effective E & O tool to raise awareness of the Drinking Water Source Protection Program (DWSPP) and the importance of protecting sources of municipal drinking water. Drinking Water Protection Zone signs have been installed in vulnerable areas across the Trent Conservation Source Protection Region. To date, all required Drinking Water Protection Zone signs have been installed in the four Source Protection Authorities, including 255 under the Trent Source Protection Plan.



3.6 AWARENESS AND CHANGES IN BEHAVIOUR – EDUCATION & OUTREACH

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Regionally, the threat from Road Salt continues to be key focus for E & O this year with the continuation of the Salt Responsibly campaign. This included stickers to be placed on road salt boxes; and a pilot project placing posters at stores selling de-icing salts. Education and outreach efforts were also involved in spreading the news of our upcoming Section 36 Amendment, as well as raising awareness for the new Best Practices for non-municipal drinking water systems.

Salt Responsibly

DRINKING WATER
SOURCE PROTECTION
Our Actions Matter

Did you know?
1 tablespoon of salt will melt a one-metre square area.

Keep lid closed to protect from rain/snow.

Shovel or plow before applying salt.

A little salt goes a long way. Apply sparingly.

Salt works best between 1 and -10°C. Try an alternative as temperature drops.

Salt contaminated runoff can enter ground & surface water sources.

Drinking Water Protection Zone

The infographic features a winter scene with a tree, a bench, and a street lamp. It includes icons for a salt container, a shovel, a hand sprinkling salt, a thermometer, and a warning sign for runoff. A central image shows a person using a shovel on a sidewalk.

3.6 AWARENESS AND CHANGES IN BEHAVIOUR – EDUCATION & OUTREACH

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Fuel threats, and specifically fuel oil tanks were again a key focus of education and outreach this reporting period. This included information products related to fuel storage and handling, and information provided to local fuel suppliers. Social media posts related to fuel threats were also used in 2024 to remind residents of their potential to impact drinking water sources. Social media posts were also used to communicate changes and solicit comments related to fuel policies as a result of the proposed Section 36 Amendments to the Trent Source Protection Plan.

Education and outreach activities were integrated into Risk Management Official activities and included best management practices as risk management measures in risk management plans. Specific activities related to fuel threats included the installation of fuel tank stickers and fill pipe tags identifying that the location is in a Vulnerable Area and providing provincial Spills Action Centre contact number.



3.6 AWARENESS AND CHANGES IN BEHAVIOUR – EDUCATION & OUTREACH

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The Best Practices initiative has been using the science and knowledge acquired from the Source Protection Program to provide owners of private drinking water systems such as wells and intakes with information about how to protect their sources of drinking water.

Six free webinars were conducted in 2024 in partnership with our neighbouring Source Protection Regions to provide helpful information for the public, reaching over 800 views online. Topics included:

- Harmful Algal Blooms
- Drinking Water Testing and Treatment
- Rural Source Water and Human Health
- Realty and Rural Source Water
- Groundwater 101
- Climate Change Impacts on Drinking Water & Boil Water Advisories

Staff has been involved in several provincial groups, working with Conservation Ontario to improve resources to enhance the Source Protection Program and provide increased awareness through the production of guidance documents and resources that can be used across the province.



3.6 AWARENESS AND CHANGES IN BEHAVIOUR – EDUCATION & OUTREACH

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Otonabee-Peterborough Source Protection Authority

Ongoing Education and Outreach efforts are primarily targeted to those undertaking activities that are, or would be significant drinking water threats. Through agreements between the Conservation Authority and eight municipalities, information related to significant drinking water threats and the Drinking Water Source Protection Program are made available at office location, websites and on social media platforms.

Information related to specific drinking water threats such as Road Salt, Snow Storage, DNAPLs and Organic Solvents, Fuel, Sewage, and Pesticides was communicated through social media posts throughout the year. Messages related to water quality, water quantity, stormwater, sewage, road salt and other threats were integrated into presentations, educational activities and displays delivered virtually and in person. This information was shared at various events including the East Central Farm Show, Peterborough Children’s Water Festival, Celebrate Havelock, and Millbrook Street Festival.

Information products including brochures and factsheets are made publicly available electronically, and in hard copy and used to support ongoing education and outreach efforts. These products include information related to threats, and activities such as buying or selling property.

3.6 AWARENESS AND CHANGES IN BEHAVIOUR – EDUCATION & OUTREACH

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Otonabee-Peterborough Source Protection Authority - continued

Throughout 2024, existing information materials and website content was updated to ensure it remains current, relevant and AODA compliant.

The Risk Management Office also regularly provides information and access to online resources including systems summaries with maps, local municipal waste disposal sites and services in their communications with stakeholders. Other activities included seasonal social media campaigns and distribution of information to affected landowners and tenants in vulnerable areas to help them better understand how to protect municipal sources of drinking water.



3.6 AWARENESS AND CHANGES IN BEHAVIOUR – EDUCATION & OUTREACH

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Kawartha-Haliburton Source Protection Authority

Education and Outreach efforts in 2023 included:

- Attendance at the International Plowing Match in Lindsay, ON. Attendance at the East Central Farm Show and the Country Living Show. RMO and Conservation Authority staff attended these events to share information on the SWP program and stewardships initiatives. The vulnerable area posters and road sign were a great draw for people to the booth.
- Direct mailouts to landowners impacted by the S.36 Amendments.
- Municipalities and Kawartha Conservation staff continue to share both CO and Kawartha Conservation's custom made education and outreach materials throughout the year.



3.6 AWARENESS AND CHANGES IN BEHAVIOUR – EDUCATION & OUTREACH

Page 54 of 61

Crowe Valley Source Protection Authority

Advertisements in community guides. Learning opportunities typically directed at special events such as water festivals, with education and outreach targeted at those activities that would be significant drinking water threats. Websites updates, and Conservation Ontario infographics and factsheets used and shared. Promotion of Salt Responsibly campaign.



3.6 AWARENESS AND CHANGES IN BEHAVIOUR – EDUCATION & OUTREACH

Page 55 of 61

Lower Trent Source Protection Authority

Education and outreach this reporting period included a variety of approaches to reach a broad audience. This included use of traditional media, such as advertising in the Community Guide, as well as 15 social media posts reaching over 7,000 people. DWSP information on Lower Trent Conservation website was consistently updated. LTC also supported and promoted the Road sign and Salt Responsibly campaigns to raise awareness.

Youth education was also a priority. Approximately 1200 students, teachers and parents were engaged through the Tri-County Children's Water Festival, as well as ~1100 children through virtual and in-person programming. Over 800 people were also reached through presentations and participation at community events, including LTC Farewell to frost, Quinte West Wellness Expo, and the Hastings County Plowing Match.




3.6 AWARENESS AND CHANGES IN BEHAVIOUR – EDUCATION & OUTREACH

Our progress score for each Source Protection Authority on achieving source protection plan objectives in this reporting period is as follows:

Source Protection Authority	Status
Otonabee-Peterborough	P: Progressing well / on target
Kawartha-Haliburton	P: Progressing well / on target
Crowe Valley	P: Progressing well / on target
Lower Trent	P: Progressing well / on target

Our overall progress score on achieving source protection plan objectives in this reporting period is as follows:

 P: Progressing well / on target: Most of the source protection plan policies have been implemented and/or are progressing according to the timelines in the source protection plan.

3.7 SOURCE PROTECTION PLAN POLICIES: SUMMARY OF DELAYS

The Trent Conservation Coalition Source Protection Region, not including Ganaraska, reports no significant delays in policy implementation. However, policy implementation challenges were addressed through our S.36 Amendment, submitted in December, 2023, which upon release of this Report is waiting final approval from the Ministry of the Environment, Conservation and Parks. Through this process, policy wording will be improved to assist in overall Trent Source Protection Plan implementation.

3.8 SOURCE WATER QUALITY: MONITORING AND ACTIONS

A water quality issue, as identified by the Source Protection Committee, is where a contaminant is present at a level of concern or showing an upward trend and threatens the municipal drinking water source. The issue contributing area (ICA) is an area of land or water where activities are contributing to the water quality issue.

These activities are classified as significant threats to drinking water.

Stirling Water System

Stirling wells were identified as having an E. coli issue in the raw untreated water. Observations this year showed no change in concentration or trends. In response to the issue, the municipality engaged in the following activities:

- Reported annually by February 1st to the Lower Trent Source Protection Authority
- A new less vulnerable well was brought on line in 2020 to reduce risk of E. coli. RMPs continue to be developed to reduce the amount of E. coli entering Rawdon Creek
- Monitored the identified issue through data as provided in the Stirling-Rawdon annual water report. The report also identified the municipality continues to track Total Coliform (TC) hits
- Undertook hydrological studies showing the wells are Groundwater Under the Direct Influence (GUDI) of surface water and there is in situ filtration.
- Completed all septic inspections in the Stirling Issue Contributing Area
- All identified significant drinking water threats have been managed by RMPs
- Completed Education & Outreach activities including advertorials in local newspaper, attendance at local events, updated factsheets and door-to-door visits in the Issue Contributing Area

3.9 SCIENCE BASED ASSESSMENT REPORTS: WORK PLANS

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Water Budget - Technical Rule #30.1 for Stirling-Rawdon a Tier 3 water budget was included in the 2018 Section 36 work plan, however still requires MECP support and funding to proceed. To be reviewed in 2025 upon approval of new Assessment Report.



4. MORE FROM THE WATERSHED

Find out more information about DWSP and what's happening in the TCC SPR at trentsourceprotection.on.ca including details on:

- The *Clean Water Act*
- The Trent Conservation Coalition Source Protection Region
- The four Source Protection Authorities that make up the Trent Source Protection Plan
- Publications and resources such as the source protection plans and assessment reports
- Am I affected? / policy mapping tool
- Best Practices for Non-Municipal Source Protection

Alternatively, for more information, please contact your local Source Protection Authority:

Source Protection Authority	SPA Lead Contact:
 <p>Otonabee CONSERVATION</p>	<p>Meredith Carter Manager, Watershed Management Program Otonabee Region Conservation Authority 705-745-5791 x223 mcarte@otonabeeconservation.com</p>
 <p>KAWARTHA CONSERVATION Discover • Protect • Restore</p>	<p>Mark Majchrowski Chief Administrative Officer Kawartha-Haliburton Source Protection Authority (705) 328-2271 x 215 mmajchrowski@kawarthaconservation.com</p>
 <p>Crowe Valley Conservation</p>	<p>Andrew McIntyre Crowe Valley Source Protection Authority Risk Management Official / Source Water Protection Specialist (613) 472-3137 andrew.mcintyre@crowevalley.com</p>
 <p>LOWER TRENT CONSERVATION</p>	<p>Anne Anderson Special Project Coordinator Lower Trent Source Protection Authority (613) 394-4829 x 219 anne.anderson@lrc.on.ca</p>



Agenda Item #7

K-H SPA Meeting #1/25

March 27, 2025

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To: The Chair and Members of Kawartha-Haliburton Source Protection Authority Board of Directors

From: Mark Majchrowski, Chief Administrative Officer
Sarah Lavoie-Bernstein, Source Protection Technician

Re: Source Protection Committee - Kawartha-Haliburton Source Protection Area Municipal Representative

KEY ISSUE:

Vacant municipal representative for the Kawartha-Haliburton Source Protection Authority on the Source Protection Committee.

RECOMMENDED RESOLUTION:

RESOLVED, THAT, the update on the Kawartha-Haliburton Source Protection Area municipal member for the Source Protection Committee be received.

BACKGROUND

In accordance with O.Reg. 288/07 under the *Clean Water Act, 2006*, the Trent Conservation Coalition Source Protection Region is composed of up to 21 members, one third of which must be municipal representatives. As the Kawartha-Haliburton Source Protection Area contains more drinking water systems than any of the other four Source Protection Areas within the Trent Source Protection Region and includes a significant geography outside traditional conservation authority boundaries, it is permitted to have two municipal source protection representatives on the Source Protection Committee.

Previous discussions in establishing these representatives to the Source Protection Committee provided agreement amongst the municipal partners in the Source Protection Area that one representative be from the Haliburton area and one representative from the City of Kawartha Lakes. This was decided due to the significant geography addition to the KH-SPA relative to established conservation authority boundaries and the large number of systems that the City of Kawartha Lakes is responsible for in the Source Protection Region.

In August 2023, the City of Kawartha Lakes municipal representative on the Source Protection Committee, stepped down. Staff have since been working with the City of Kawartha Lakes to determine a nomination for replacement, which will be proceeding through the nomination process at council in the near future. Once the nomination has been received, staff will request municipal council resolutions in support of this new member in accordance with legislation to enable official appointment to the committee.

For more information, please contact Sarah Lavoie-Bernstein, extension 224.