



**First Regular Lakehead Source Protection Authority Meeting**  
 Lakehead Region Conservation Authority  
 130 Conservation Road/Microsoft Teams  
 2026-04-29 17:30 - 18:30 EDT

**Table of Contents**

**1. ADOPTION OF AGENDA**

THAT: the Agenda is adopted as published.

**2. DISCLOSURE OF INTEREST**

**3. MINUTES OF PREVIOUS MEETING.....2**

THAT: the Minutes of the Lakehead Source Protection Authority First Regular Meeting held on Wednesday, April 30, 2025, are adopted as published.

April 30 2025 - SPA Meeting Minutes.pdf.....2

**4. SOURCE PROTECTION IMPLEMENTATION**

**4.1. Eleventh Annual Lakehead Source Protection Plan Report.....5**

THAT: the Lakehead Source Protection Plan Annual Report, the MECP Lakehead Source Protection Annual Progress Report, and the MECP Source Protection 2025 Supplemental Form for the reporting period of January 1, 2025 to December 31, 2025 are adopted AND FURTHER THAT the MECP Lakehead Source Protection Annual Progress Report, the MECP Source Protection 2025 Supplemental Form and the 2025 Policy Implementation Status are submitted to the MECP Director AND FURTHER THAT the reports are posted to the Source Protection Website.

SWP-02-2026, 11th Annual Lakehead Source Protection Plan Reporting\_w  
 attach.pdf.....5

**5. PROGRAM MANAGER UPDATE.....72**

DWSP Program Manager April 2026 SPA Agenda Project Update.pdf.....72

**6. NEW BUSINESS**

**7. NEXT MEETING**

April 2027 (exact date and time to be determined).

**8. ADJOURNMENT**

THAT: the time being \_\_\_\_\_ p.m. AND FURTHER THAT there being no further business we adjourn.



Minutes of the First Regular Meeting of the Lakehead Source Protection Authority (SPA) held on Wednesday, April 30, 2025, at the Lakehead Region Conservation Authority/Microsoft Teams. The Chair called the Meeting to order at 5:45 p.m.

**Present:** Albert Aiello  
Donna Blunt, Chair  
Robert Beatty  
Rudy Buitenhuis  
Dan Calvert  
Sheelagh Hendrick  
Greg Johnson  
Brian Kurikka  
Jim Vezina

**Present:** Grant Arnold  
**(Remote)**

**Regrets:** Trevor Giertuga

**Also**

**Present:** Tammy Cook, Chief Administrative Officer  
Ryan Mackett, Communications Manager  
Melanie O'Riley, Administrative Clerk/Receptionist, Recorder of Minutes

**1. ADOPTION OF AGENDA**

Resolution #1/25

Moved by Albert Aiello, Seconded by Sheelagh Hendrick

***THAT: the Agenda is adopted. CARRIED.***

**2. DISCLOSURE OF INTEREST**

None.

### **3. MINUTES OF PREVIOUS MEETING**

Resolution #2/25

Moved by Dan Calvert, Seconded by Sheelagh Hendrick

**THAT:** *the Minutes of the Lakehead Source Protection Authority First Regular Meeting held on Thursday April 24, 2024, are adopted as published. **CARRIED.***

### **4. SOURCE PROTECTION IMPLEMENTATION**

#### **4.1 Tenth Annual Lakehead Source Protection Plan Report**

Members reviewed and discussed the Tenth Lakehead Source Protection Plan Annual Report, the MECP Lakehead Source Protection Annual Progress Report, the MECP Source Protection 2024 Supplemental Form, and the 2024 Policy Implementation Status for the reporting period of January 1, 2024, to December 31, 2024.

It was noted that the Source Protection Committee was provided a draft copy of the documents at their March 5, 2025, Source Protection Committee Meeting for their review comments.

Resolution #3/25

Moved by Rudy Buitenhuis, Seconded by Robert Beatty

**THAT:** *the Lakehead Source Protection Plan Annual Report, the MECP Lakehead Source Protection Annual Progress Report, the MECP Source Protection 2024 Supplemental Form, the 2024 Policy Implementation Status for the reporting period of January 1, 2024 to December 31, 2024 are adopted **AND FURTHER THAT** the MECP Lakehead Source Protection Annual Progress Report, the MECP Source Protection 2024 Supplemental Form and the 2024 Policy Implementation Status are submitted to the MECP Director **AND FURTHER THAT** the reports are posted to the Source Protection Website. **CARRIED.***

### **5. NEW BUSINESS**

It was noted that the 2024-2027 SWP funding agreement with MECP in the amount of \$226,007.48 was finalized in July 2024. This is the first multiyear funding agreement for the program.

It was noted that Staff will be working on updating the Source Protection Plan as part of the Section 36 order in 2025.

### **6. NEXT MEETING**

April 2026 (exact date and time to be determined)

7. **ADJOURNMENT**

Resolution #4/25

Moved by Robert Beatty, Seconded by Brian Kurikka

***THAT: the time being 5:49 p.m. AND FURTHER THAT there being no further business THAT we adjourn. CARRIED.***

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Chair

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Chief Administrative Officer



<b>PROGRAM AREA</b>	SOURCE WATER PROTECTION	<b>REPORT NO.</b>	SWP-02-2026
<b>DATE PREPARED</b>	April 8, 2026	<b>FILE NO.</b>	
<b>MEETING DATE</b>	April 29, 2026		
<b>SUBJECT</b>	11 <sup>th</sup> Annual Lakehead Source Protection Plan Report		

**RECOMMENDATION**

Suggested Resolution

**“THAT:** the Lakehead Source Protection Plan Annual Report, the MECP Lakehead Source Protection Annual Progress Report, and the MECP Source Protection 2025 Supplemental Form for the reporting period of January 1, 2025 to December 31, 2025 are adopted **AND FURTHER THAT** the MECP Lakehead Source Protection Annual Progress Report and the MECP Source Protection 2025 Supplemental Form are submitted to the MECP Director **AND FURTHER THAT** the reports are posted to the Source Protection Website.”

**LINK TO STRATEGIC PLAN (2023-2027)**

Conserve and Sustain

- Collaborate and partner with agencies and community organizations to take action in the protection of natural habitats and ecosystems, share decision-making, and address emerging issues that impact the health and sustainability of the Lakehead watershed.

**EXECUTIVE SUMMARY**

As a requirement under the *Clean Water Act, 2006*, Source Protection Authorities (SPAs) are required to provide an annual progress report to the Director of the Ministry of the Environment, Conservation and Parks (MECP) by May 1<sup>st</sup> of every given reporting year.

The Eleventh Annual Progress Report has been completed for the period of January 1, 2025 to December 31, 2025 for the Lakehead Source Protection Area and is being presented to the SPA for approval prior to submission to the MECP. The report concludes that all policies within the Source Protection Plan have been implemented by the respective implementing bodies during the reporting period.

**DISCUSSION**

As a requirement under the *Clean Water Act, 2006*, Source Protection Authorities (SPAs) are required to provide an annual progress report to the Director of the Ministry of the Environment, Conservation and Parks (MECP) by May 1<sup>st</sup> of every given reporting year. The report must also

be provided to the Source Protection Committee (SPC) at least 30 days prior to submitting to the Director and be provided to the public as soon as reasonably possible after submission to the Director. This report represents the Eleventh Annual Progress Report prepared by the Lakehead SPA, covering the period of January 1, 2025, to December 31, 2025.

As required, annual reporting was received from the implementing bodies, (Municipality of Oliver Paipoonge and the Thunder Bay District Health Unit (TBDHU)) by the deadline (February 1, 2025) (Attachments 1 and 2).

Actions completed by the Municipality of Oliver Paipoonge over the reporting period included: completion of the annual report to the SPA. There were no Official Plan and Zoning By-law amendment applications within WHPA-A in 2025.

It is noted that the Rosslyn Village Drinking Water system continues to be on a Drinking Water Advisory due to slightly elevated levels of arsenic being present. The drinking water system consists of a North well and South well that provide water to 32 users. Slightly elevated levels of arsenic were detected in the North well in the fall of 2022 and the well was subsequently taken offline and water was being sourced solely from the South well. In March of 2023, arsenic above 0.01 mg/L was detected in the South well water; the Thunder Bay District Health Unit issued a Drinking Water Advisory to advise residents not to consume the water. The arsenic source is naturally occurring due to the geology of the area.

The Municipality of Oliver Paipoonge is in the process of installing an arsenic treatment system and is working with the Ontario Clean Water Agency as well as the Walkerton Clean Water Centre to resolve the arsenic issue. Once installed and testing determines that the system is operating as required (i.e., removing the arsenic), the drinking water advisory will be lifted by the TBDHU. At the time of writing, the treatment system had been installed, and testing was ongoing to ensure it was functioning as designed. It is noted that the Ontario Drinking Water Standard (ODWS) for arsenic changed from 0.025 mg/L to 0.010 mg/L (*this change happened on January 1, 2018*).

Future policy actions required by the Municipality of Oliver Paipoonge include: continuing to circulate all Official Plan and Zoning by-law *Planning Act* applications within WHPA-A to the SPA; continuing to prohibit prohibited land uses in WHPA-A; continue to locate salt and snow storage outside of WHPA-A; continue to minimize salt application in WHPA-A; continue to have the fact sheets related to DNAPLs and plane de-icer available for distribution; and prepare and submit annual reports to the SPA by February 1<sup>st</sup> of every reporting year.

Actions completed by the TBDHU over the reporting period included: completion of the annual report to the SPA. The initial required septic system inspections were completed by TBDHU as of November 2016 and were reinspected as required (i.e., within 5 years) in 2019, 2020 and 2021. The 5-year cycle of re-inspections was initiated in 2024 with 13 septic systems inspected. In early 2024, TBDHU identified three Advanced Treatment Septic systems to be out of compliance with maintenance requirements for Advanced Sewage Treatment systems as outlined in Section 8.9.2 of the Ontario Building Code. By the end of 2024, two of these systems were found to be in

compliance, and confirmation of the maintenance status of one additional Advanced Sewage Treatment system remains to be determined through consultation with maintenance providers and the system owner (follow up consultation is planned for 2026). Currently there is no evidence of sewage system failure within WHPA-A. There were no septic system inspections undertaken in 2025. The remaining 12 septic inspections will be undertaken in 2026 (part of the 5-year cycle) and follow-up inspections for Advanced Treatment Systems will be completed where required.

Future policy actions required by the TBDHU include: re-inspect all septic systems within WHPA-A every five years, (re-inspection cycle was initiated in 2024), and prepare and submit annual reports to the SPA by February 1<sup>st</sup> of every reporting year.

Actions completed by the City of Thunder Bay over the reporting period included placing three buoys marking the anchorage boundary in proximity to the intake during the ice-free period.

Future policy actions recommended to be completed by the City of Thunder Bay include: annually place three buoys marking the anchorage boundary in proximity of the intake; provide the SPA copies of any updates to the Spill Prevention and Contingency Plan and a summary of any actions taken to protect the Bare Point Intakes, as well as providing updates to the Standard Operating Procedure related to monitoring and reporting of blue-green algae blooms.

For the reporting period of January 1, 2025 to December 31, 2025, all policies as outlined in the Lakehead Source Protection Plan have been implemented by the respective implementing bodies or are in the process of being implemented as required.

Attachment #3 is the Eleventh Annual Progress Report in the format developed by LRCA staff, which will be made available to the public on the source protection website as it provides a more comprehensive summary of the program. Attachment #4 is the Eleventh Source Protection Annual Report (MECP template) for MECP submission, and Attachment #5 is the Source Protection 2025 Supplemental Form (MECP template).

## **FINANCIAL IMPLICATIONS**

Staff time required and any costs associated to complete annual reporting deliverables falls within the current drinking water source protection funding agreement with MECP, (DWSP 2024-2027 Lakehead Region). Future budget requests will consider future required funding.

## **CONCLUSION**

The Eleventh Annual Lakehead Source Protection Plan reporting is complete and will be submitted to the MECP after SPA approval.

## **BACKGROUND**

The Lakehead Source Protection Plan is the culmination of the Lakehead SPC's efforts to draft policies to ensure that significant threats to Municipal Drinking Water Sources in the Lakehead Source Protection Area cease to be or never become significant drinking water threats. The Lakehead Source Protection Plan applies to the two Municipal Drinking Water Sources located

within the Lakehead Source Protection Area that include: Bare Point Water Treatment facility providing drinking water to the City of Thunder Bay and the Rosslyn Village Drinking Water Facility, which provides drinking water to 32 homes within Rosslyn Village.

The Plan contains six legally binding policies that apply to two implementing bodies: the Municipality of Oliver Paipoonge and the Thunder Bay District Health Unit. Two non-legally binding policies are included in the Plan that apply to the City of Thunder Bay, which are considered “best management practices” and are not mandatory but recommended.

To monitor the progress of the policies in the Plan, the implementing bodies are required to provide annual reports to the SPA by February 1<sup>st</sup> of every reporting year, summarizing the activities of the previous year.

**REFERENCE MATERIAL ATTACHED**

Attachment 1 – Municipality of Oliver Paipoonge Annual Reporting 2025

Attachment 2 – TBDHU Annual Source Protection Report 2025

Attachment 3 – Lakehead Source Protection Plan Annual Report, Reporting January 1, 2025 to December 31, 2025

Attachment 4 – Eleventh Lakehead Source Protection Annual Report (MECP template)

Attachment 5 – Source Protection 2025 Supplemental Form

**PREPARED BY:**

Melissa Hughson, Watershed Manager

THIS REPORT SIGNED AND VERIFIED BY:  <i>Tammy Cook</i> Tammy Cook Chief Administrative Officer	DATE: April 22, 2026
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**Lakehead Source Protection Plan**  
**Annual Report to the Lakehead Source Protection Authority**  
**Implementing Body: Municipality of Oliver Paipoonge**  
 4569 Oliver Road, Murillo, ON, P0T 2G0  
 Phone: (807) 935-2613

<b>Section 1 – General Information (Annual Report due by February 1 of each calendar year)</b>	
<b>Reporting Body Information:</b>	
<b>Reporting Year:</b>	JANUARY 1, 2025 - DECEMBER 31, 2025
<b>Date of Report:</b>	JANUARY 5, 2026
<b>Report Completed By:</b>	WAYNE HANCHARD

<b>Section 2 - Policies</b>	
<b>Policy Number:</b>	<b>Policy Details:</b>
<b>RV.1.CW-PA</b>	<b>Prohibits the following future significant threats: establishing a waste disposal site, sewage treatment facilities (not including those under 10,000 litres a day), storage of organic solvents, storage of fuel, the storage of pure dense non-aqueous liquids (DNAPLs) and agricultural uses.</b>
<b>Policy Number:</b>	<b>Policy Details:</b>
<b>RV.2.M-PA</b>	<b>This Policy monitors the steps taken to implement the above Policy (RV.1.CW-PA)</b>

<b>Steps taken to implement Policy (RV.1.CW-PA)</b>	
<b>The following land uses are prohibited in WHPA-A:</b>	<b>Were any of the land uses permitted during the reporting period?</b>
Application of hauled sewage to land.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Mine tailings stored in a pit or in impoundment structures.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Land farming of petroleum refining waste.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Landfilling of hazardous waste.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Landfilling of municipal waste.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Land disposal of commercial or industrial waste.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Land disposal of liquid industrial waste.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Storage of PCBs.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
A waste disposal site that is not approved to accept hazardous waste or liquid industrial waste but accepts small volumes that are exempt from O. Reg. 347.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Lakehead Source Protection Plan Annual Report – Oliver Paiponge

The following land uses are prohibited in WHPA-A:	Were any of the land uses permitted during the reporting period?
Sewage treatment facilities, not including septic systems under 10,000 litres per day.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Non-residential uses where organic solvents occur, including but not limited to dry cleaning operations, vehicle service centres, paint and hardware stores, retail or wholesale pharmaceutical storage and distribution centres.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uses where fuel is stored including but not limited to, non-residential fuel storage, retail fuel outlets, uses where backup generators are required (with the exception of the backup generator used at the Rosslyn Village Water Treatment Plant), industrial operations and any other uses involving the bulk handling and storage of fuel.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uses which include the storage of DNAPLs except for incidental volumes for personal domestic use.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Future Agricultural uses.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<p><b>The Official Plan and Zoning By-Law shall be brought into conformity with provisions 1 to 6 in the above noted policy (i.e.: prohibited uses listed above) in accordance with Section 26 of the Planning Act.</b></p>	
<p><b>Outline all amendments to the Official Plan and Zoning By-Law that were undertaken to achieve conformity (i.e.: prohibit uses in WHPA-A).</b></p>	
<p>NONE</p>	

Lakehead Source Protection Plan Annual Report – Oliver Paipoonge

<b>Policy Number:</b>	<b>Policy Details:</b>
RV.3.CW-SP	<p><b>1. To address the handling and storage of road salt (existing and future) and storage of snow (existing and future) the Municipality of Oliver Paipoonge shall prepare a Salt Management Plan to address the sensitivity of the Rosslyn Village WHPA-A within one year of the Source Protection Plan taking effect [by Sept. 30, 2014]. Specific actions that should be included in the plan to address the risk of road salt effects on source water include:</b></p> <p>a) Locating salt and snow storage areas outside of the WHPA-A.  b) Minimizing application of road salt within WHPA-A.</p> <p><b>2. Copies of any Official Plan and Zoning By-law amendment applications in WHPA-A shall also be provided by the Municipality of Oliver Paipoonge to the Lakehead Source Protection Authority once they have been received for review and comment and shall provide copies of these amendments once they have been adopted. This procedure must be established within one year of the Source Protection Plan taking effect [by Sept. 30, 2014].</b></p>
<b>Policy Number:</b>	<b>Policy Details:</b>
RV.4.M.SP	This Policy monitors the steps taken to implement the above Policy (RV.3.CW-SP).
<b>Steps taken to implement Policy (RV.3.CW-SP)</b>	
<b>Describe the steps taken to determine the extent to which the specified action has achieved its objectives and any information on the results of those steps:</b>	
<b>Oliver Paipoonge must prepare a Salt Management Plan once it has been adopted (by September 30, 2014).</b>	
Date of completed Salt Management Plan:	SEPTEMBER 22, 2014
Date Salt Management Plan was adopted by Council:	OCTOBER 15, 2014
<input type="checkbox"/> A copy of Oliver Paipoonge's current Salt Management Plan is attached.	

Lakehead Source Protection Plan Annual Report – Oliver Paipoonge

Are any salt or snow storage areas located in WHPA-A? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, provide location and description of quantity of salt and/or snow stored:
Is road salt applied within WHPA-A? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, provide details of application (i.e.: material, spread, frequency of applications, etc.):
Has a procedure been established to provide the SPA all zoning by-law amendments in WHPA-A? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, provide outline of procedure: <b>ALL PLANNING APPLICATIONS ARE CIRCULATED TO THE LRCA FOR COMMENT AND ANY APPLICATIONS WITHIN THE WHPA-A AREAS ARE HIGHLIGHTED.</b>
<input type="checkbox"/> Copies of Official Plan and Zoning By-Law amendment applications in WHPA-A are attached.
Please list the attached items related to this policy ( <i>if applicable</i> ): <b>NO APPLICAITONS WERE COMPLETED IN WHPA-A IN 2025</b>

Lakehead Source Protection Plan Annual Report – Oliver Paipoonge

<b>Policy Number:</b>	<b>Policy Details:</b>
RV.5.CW-EO	<p>1. The Municipality of Oliver Paipoonge shall develop an education program regarding the potential harmful effects of plane de-icer within the WHPA-A. This material will be required in the event of an airport being proposed.</p> <p>2. To address all agricultural related drinking water threats (existing and future – Agricultural Source Material, Non-Agricultural Source Material, commercial fertilizer, pesticide and livestock grazing or pasturing of land, an outdoor confinement area or farm animal yard) the Municipality of Oliver Paipoonge shall develop an education and awareness program to advise the landowner in WHPA-A whose property currently contains existing agricultural threats. The Municipality shall prepare a package that will include information for best management practices and to raise awareness of and reduce drinking water threats. This information shall be developed and distributed within 2 years of the Source Protection Plan taking effect [by Sept. 30, 2015].</p> <p>3. The Municipality shall prepare a package that will include information for best management practices and to raise awareness of and reduce drinking water threats related to the harmful effects of DNAPLs impacting groundwater resources.</p>
<b>Policy Number:</b>	<b>Policy Details:</b>
RV.6.M-EO	This Policy monitors the steps taken to implement the above Policy (RV.5.CW-EO)
<b>Have the following education/outreach materials been produced?</b>	<b>If produced, how many copies have been distributed to residents/or number of people reached?</b>
Plane de-icer educational material. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Agricultural drinking water threats educational material (must be prepared and distributed by September 30, 2015). <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
DNAPL educational material. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Lakehead Source Protection Plan Annual Report – Oliver Paipoonge

<input type="checkbox"/> Copies of Oliver Paipoonge’s plane de-icer educational material is attached.
<input type="checkbox"/> Copies of Oliver Paipoonge’s agricultural drinking water threats educational material is attached.
<input type="checkbox"/> Copies of Oliver Paipoonge’s DNAPL educational material is attached.
Items are not attached because ( <i>if applicable</i> ):
Please list all additional items that are attached related to this policy ( <i>if applicable</i> ):

This report has been reviewed and certified by the Municipality of Oliver Paipoonge CAO:

Name (print): WAYNE HANCHARD
Signature: <i>Wayne Hanchard</i>
Title: CAO/CLERK

*For internal use only:*

Date received by LRCA staff:
Date accepted by Lakehead SPA:
Date forwarded to MOE:

**Revision Date: January 6, 2020**



**Lakehead Source Protection Plan**  
**Annual Report to the Lakehead Source Protection Authority**  
**Implementing Body: Thunder Bay District Health Unit**  
 999 Balmoral St, Thunder Bay, ON P7B 6E7  
 Phone: (807) 625-5900

<b>Section 1 – General Information (Annual Report due by February 1 of each calendar year)</b>	
<b>Reporting Body Information:</b>	
<b>Reporting Year:</b>	2025
<b>Date of Report:</b>	January 22, 2026
<b>Report Completed By:</b>	Lee Sieswerda

<b>Section 2 - Policies</b>				
<b>Policy Number:</b>		<b>Policy Details:</b>		
RV.3.CW-SP		All existing and future septic systems within WHPA-A must be inspected by June 20, 2016, and every 5 years thereafter		
<b>Property ID #</b>	<b>Address in WHPA-A:</b>	<b>Inspected during reporting year:</b>	<b>Date of Inspection (if applicable):</b>	<b>Date of Last Inspection:</b>
1	1 Alder Lane*	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date December 3, 2014	December 27, 2024
2	2 Alder Lane	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date July 19, 2016	December 27, 2024
3	3 Alder Lane*	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date July 19, 2016	December 23, 2021
4	9 Alder Lane	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date July 19, 2016	December 27, 2024
5	13 Alder Lane	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date December 3, 2014	December 27, 2024
6	114 Maple St.*	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date July 19, 2016	December 23, 2021
7	117 Maple St.*	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date July 19, 2016	December 23, 2021

Lakehead Source Protection Plan Annual Report - TBDHU

8	118 Maple St.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date of Initial Inspection July 19, 2016	December 23, 2021
9	121 Maple St.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date of Initial Inspection July 19, 2016	December 23, 2021
10	122 Maple St.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date October 6, 2014	December 27, 2024
11	127 Maple St.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date July 19, 2016	December 23, 2021
12	128 Maple St.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date October 6, 2014	December 27, 2024
13	129 Maple St.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date July 19, 2016	December 23, 2021
14	130 Maple St.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date October 6, 2014	December 27, 2024
15	133 Maple St.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date July 19, 2016	December 23, 2021
16	134 Maple St.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date October 6, 2014	December 27, 2024
17	135 Maple St.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date July 19, 2016	December 23, 2021
18	138 Maple St.*	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date October 6, 2014	February 12, 2024
19	139 Maple St.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date July 19, 2016	December 23, 2021
20	3460 Rosslyn Rd.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date November 6, 2015	November 25, 2024
21	3466 Rosslyn Rd.*	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date November 6, 2015	December 22, 2020

22	3470 Rosslyn Rd.*	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date November 6, 2015	November 18, 2024
23	3476 Rosslyn Rd.*	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date November 6, 2015	December 22, 2020
24	3480 Rosslyn Rd.*	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date November 6, 2015	January 18, 2024
25	3482 Rosslyn Rd.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial Inspection Date November 6, 2015	November 18, 2024

*\*These residences received new septic systems in 2011-2012 under ODWSP funding program*

<b>Policy Number:</b>	<b>Policy Details:</b>
<b>RV.4.M.SP</b>	<b>This Policy monitors the steps taken to implement the above Policy (RV.3.CW-SP)</b>
<b>Steps taken to implement Policy (RV.3.CW-SP)</b>	
<b>Describe the steps taken to determine the extent to which the specified action has achieved its objectives and any information on the results of those steps:</b>	
<input type="checkbox"/> No steps have been taken because:	
- All 25 sewage treatment systems have had an initial inspection and a re-inspection. No sewage system failures have been detected..	
<input type="checkbox"/> The following steps have been taken:	
Follow up to determine maintenance status of one known Advanced Sewage Treatment System is planed for 2026.	
<b>Provide a summary compliance report outlining any corrective action found to be necessary as a result of the Sewage Systems Maintenance Program:</b>	
<input type="checkbox"/> A Summary Compliance Report is attached, or see below:	
Two sewage treatment systems inspected in 2023 and identified as systems of concern have been found to be in compliance with maintenance requirements for Advance Sewage Treatment systems as outlined in Section 8.9.2 of the Ontario Building Code. Confirmation of the maintenance status of one additional Advanced Sewage Treatment System remains to be determined through consultation with maintenance providers and the system owner in 2026. Currently there is no evidence of sewage system failure.	

Policy Number:	Policy Details:
RV.5.CW-EO	<p><b>This Policy number is designed to educate the residents of WHPA-A on septic threats on their property. Must be in place by September 30, 2015. Must be available for a minimum of two years (i.e. Sept. 30, 2017) and must include:</b></p> <p>a) <b>The reasons for the required inspection program.</b>                      b) <b>Maintenance of systems.</b>                      c) <b>Various types of allowed systems.</b>                      d) <b>Best management practices for using a system</b></p>
RV.6.M-EO	<p><b>This Policy monitors the steps taken to implement the above Policy (RV.5.CW-EO)</b></p>
<b>Steps taken to implement Policy (RV..CW-EO)</b>	
<input type="checkbox"/> No steps have been taken because:	
Educational/Outreach materials were distributed to WHPA-A residents each year from 2015-2017.	
<input type="checkbox"/> The following steps have been taken:	
<input type="checkbox"/> Educational/Outreach materials have been completed and attached to this report. <i>Please list the attached materials:</i> 'taking care of your sewage treatment system' 'a guide to operating & maintaining your septic system' This Material was previously distributed to residents in 2015 - 2017 'septic Do's and Dont's'	
<input type="checkbox"/> Educational/Outreach materials are currently in draft form.	<input checked="" type="checkbox"/> Educational/Outreach materials have been distributed to WHPA-A residents.
<input type="checkbox"/> Research has begun on these materials, but no draft copy has been created.	Distributed on ( <i>insert date</i> ): 2015 - 2017

This report has been reviewed and certified by the Thunder Bay District Health Unit:

Name (print): Lee Sieswerda
Signature:
Title: Manager of Environmental Health Programs

*For internal use only:*

Date received by LRCA:
Date accepted by SPA:
Date forwarded to MOE:

**Revision Date:** January 8, 2015

# Lakehead Source Protection Plan

## Annual Report

Reporting Period  
January 1, 2025 to December 31, 2025

Prepared by the Lakehead Source Protection Authority



**LAKEHEAD REGION**  
CONSERVATION AUTHORITY  
LAKEHEAD SOURCE PROTECTION AREA

# Lakehead Source Protection Plan Annual Report

Reporting Period:  
January 1, 2025 to December 31, 2025

April 29, 2026

Prepared by:

Lakehead Source Protection Authority

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## Executive Summary

As a requirement under the *Clean Water Act, 2006*, Source Protection Authorities (SPAs) are required to provide an annual progress report to the Director of the Ministry of the Environment, Conservation and Parks (MECP) by May 1<sup>st</sup> of every given reporting year. The report must also be provided to the Source Protection Committee (SPC) at least 30 days prior to submitting to the Director and be provided to the public as soon as reasonably possible after submission to the Director. This report represents the eleventh annual progress report prepared by the Lakehead SPA, covering the period of January 1, 2025, to December 31, 2025.

It is noted that the MECP has undertaken changes to the Electronic Annual Reporting (EAR) system in 2025/2026. At the time of writing, the system was not finalized and output template reports through EAR were not yet available.

The Lakehead Source Protection Plan is the culmination of the Lakehead SPC's efforts to draft policies to ensure that significant threats to Municipal Drinking Water Sources in the Lakehead Source Protection Area cease to be or never become significant drinking water threats. The Lakehead Source Protection Plan applies to the two Municipal Drinking Water Sources located within the Lakehead Source Protection Area that include: Bare Point Water Treatment facility providing drinking water to the City of Thunder Bay and the Rosslyn Village Drinking Water Facility, which provides drinking water to 32 homes within Rosslyn Village.

The Plan contains six legally binding policies that apply to two implementing bodies: the Municipality of Oliver Paipoonge and the Thunder Bay District Health Unit. Two non-legally binding policies are included in the Plan that apply to the City of Thunder Bay, which were considered “best management practices” and are not mandatory but recommended.

In order to monitor the progress of the policies in the Plan, the implementing bodies are required to provide annual reports to the SPA by February 1<sup>st</sup> of every reporting year, summarizing the activities of the previous year. Annual reports have been received by the Lakehead SPA from the implementing bodies since 2013.

Actions completed by the Municipality of Oliver Paipoonge over the reporting period included: Completion of the annual report to the SPA. There were no Official Plan and Zoning By-law amendment applications within WHPA-A in 2025.

Future policy actions required by the Municipality of Oliver Paipoonge include: continuing to circulate all Official Plan and Zoning by-law *Planning Act* applications within WHPA-A

to the SPA; continuing to prohibit prohibited land uses in WHPA-A; continue to locate salt and snow storage outside of WHPA-A; continue to minimize salt application in WHPA-A; continue to have the facts sheets related to DNAPLs and plane de-icer available for distribution; and prepare and submit annual reports to the SPA by February 1<sup>st</sup> of every reporting year.

Actions completed by the Thunder Bay District Health Unit over the reporting period included: completion of the annual report to the SPA. The initial required septic system inspections were completed by the Thunder Bay District Health Unit as of November 2016 and were reinspected as required (i.e., within 5 years) in 2019, 2020, 2021 and restarted in 2024. There were no septic inspections completed in 2025. There is one known advanced treatment septic system without a confirmed maintenance plan in place; the TBDHU will follow up with the system owner and maintenance provider in 2026. There have been no septic system failures detected. The next round of septic system inspections will begin in 2026.

Future policy actions required by the Thunder Bay District Health Unit include: re-inspect all septic systems within WHPA-A every five years, and prepare and submit annual reports to the SPA by February 1<sup>st</sup> of every reporting year.

Actions completed by the City of Thunder Bay over the reporting period included placing three buoys marking the anchorage boundary in proximity to the intake during the ice free period.

Future policy actions recommended to be completed by the City of Thunder Bay include: annually place three buoys marking the anchorage boundary in proximity of the intake; provide the SPA copies of any updates to the Spill Prevention and Contingency Plan and a summary of any actions taken to protect the Bare Point intakes, as well as providing updates to the Standard Operating Procedure related to monitoring and reporting of blue-green algae blooms.

For the reporting period of January 1, 2025 to December 31, 2025, all policies as outlined in the Lakehead Source Protection Plan have been implemented by the respective implementing bodies or are in the process of being implemented as required.

No actions were taken over the reporting period to address deficiencies noted in the Assessment Report.

A Section 36 Workplan was submitted to MECP by the SPA on April 25, 2023 in compliance with the Minister's order dated May 7, 2018. The Minister of MECP responded to the submitted workplan on October 24, 2023 advising that Lakehead's workplan was approved to address the workplan items as identified in the new Minister's Order. Lakehead's section 36 workplan consisted of minor administrative updates to the existing

policies within the source protection plan. Since completing the section 36 workplan and through correspondence with the MECP it is now understood that a comprehensive update to the assessment report, source protection plan and the explanatory document are required to ensure documentation aligns with the 2021 technical rules. Work on Lakehead's section 36 update will continue in 2026.

The next annual report is due from the Lakehead SPA to the Director of the MECP on May 1, 2027 for the period of January 1, 2026 to December 31, 2026.

## Table of Contents

Executive Summary .....	i
1 Introduction.....	1
1.1 Legislation .....	1
1.1.1 Clean Water Act, Section 46.....	1
1.1.2 Ontario Regulation 287/07, Section 52 .....	2
2 Background.....	2
2.1 Lakehead Source Protection Area.....	3
2.2 Lakehead Source Protection Plan .....	3
2.2.1 Approval of the Source Protection Plan .....	4
2.2.2 Updates to the Source Protection Plan .....	4
2.3 Source Protection Authority (SPA).....	6
2.3.1 Source Protection Authority Membership.....	6
2.4 Source Protection Committee (SPC) .....	7
2.4.1 Source Protection Committee Chair .....	7
2.4.2 Source Protection Committee Membership.....	7
3 Lakehead Source Protection Plan Policies .....	8
3.1 Municipality of Oliver Paipoonge.....	8
3.2 Thunder Bay District Health Unit .....	12
3.3 City of Thunder Bay .....	14
4 Source Protection Plan Implementation Status .....	15
5 Deficiencies in the Assessment Report .....	19
6 Other Items to Report .....	20
7 Annual Report Distribution.....	21
7.1 Source Protection Committee .....	21
7.2 Source Protection Authority .....	21
7.3 Director of the Ministry of Environment, Conservation and Parks	21
7.4 Public.....	21
8 Conclusion .....	21

## List of Tables

Table 1. Proposed updates, 2017 Section 36 Workplan.....	4
Table 2. Proposed updates, 2023 Section 36 Workplan.....	5
Table 3. Source Protection Plan Implementation Status.....	15

## List of Maps

M-1 – Lakehead Source Protection Area

## 1 Introduction

Source Protection Authorities (SPAs) are required under the *Clean Water Act, 2006* to provide Source Protection Plan annual progress reports to the Director of the Ministry of the Environment, Conservation and Parks (MECP), Source Protection Committee (SPC) and the public. The Minister of the MECP is required to include a summary of the progress reports in the annual report prepared by the Minister under the *Safe Drinking Water Act, 2002*.

This report is the eleventh annual progress report prepared by the Lakehead SPA for the period of January 1, 2025 to December 31, 2025.

Updates to the MECP's Electronic Annual Reporting (EAR) platform were being completed at the time of writing this report. As such, the EAR templates provided by MECP that provide a summary of reportable data which the Ministry can utilize in the completion of the Minister's annual report are currently not available for the SPC to review. Information reported within the EAR is as described within this report.

### 1.1 Legislation

Annual reporting requirements are outlined in the *Clean Water Act, 2006* Section 46 and Ontario Regulation 287/07, Section 52 under the *Clean Water Act, 2006*.

#### 1.1.1 Clean Water Act, Section 46

Section 46 under the *Clean Water Act, 2006* specifies the requirement of the completion of annual reports. The SPA must annually prepare and submit to the Director and the SPC in accordance with the Regulations a report that:

- 1) describes the measures that have been taken to implement the Source Protection Plan, including measures taken to ensure that activities cease to be significant drinking water threats and measures taken to ensure that activities do not become significant drinking water threats;
- 2) describes the results of any monitoring program conducted pursuant to section 45;
- 3) describes the extent to which the objectives set out in the Source Protection Plan are being achieved; and
- 4) contains such other information as is prescribed by the regulations.

The SPA must provide the report to the SPC at least 30 days prior to submitting to the Director. The SPC shall review the report and provide written comments to the SPA about the extent to which, in the opinion of the Committee, the objectives set out in the Source Protection Plan are being achieved by the measures described in the report. If the SPA receives SPC comments before submitting the report to the Director, copies of the

comments shall be included in the report. The report is to be made available to the public as soon as reasonably possible after it is submitted to the Director. The Minister shall include a summary of the reports submitted by SPAs under Section 46 in the annual report prepared by the Minister under the *Safe Drinking Water Act*.

### **1.1.2 Ontario Regulation 287/07, Section 52**

Section 52 of Ontario Regulation 287/07 under the *Clean Water Act* outlines the requirements related to annual progress reports. The first report due shall apply to the period beginning the day the Plan takes effect and ending December 31, of the second calendar year following the year in which the Plan takes effect (i.e. October 1, 2013 to December 31, 2015 in the case of the Lakehead Source Protection Plan). Subsequent reports shall be for the full calendar year. Reports are due May 1 of the year following the year to which the report applies.

The report must include:

- 1) If the Source Protection Plan sets out a policy that specifies a date by which a particular action shall be taken by a person or body, and the person or body fails to take that action by that date, a description of the failure and the reasons for the failure.
- 2) A description of any steps taken during the reporting period to address any deficiencies in the information that was used in developing the Assessment Report set out in the Source Protection Plan.
- 3) A summary of the report prepared and submitted by the risk management official under section 81 of the Act for the same calendar year to which the report under section 26 of the Act applies (not applicable to the Lakehead Source Protection Plan, as there are no required Risk Management Officials).
- 4) Any other information that the SPA considers advisable.

## **2 Background**

The Ontario government enacted the *Clean Water Act, 2006* in order to protect sources of water supplying municipal drinking water systems and ultimately human health and the environment. This was in response to the Walkerton tragedy, in which the municipal drinking water system became contaminated resulting in the death of seven residents and thousands falling ill.

Ontario's Conservation Authorities were provided funding from the MECP to acquire the resources necessary to implement the proposed "protection of water at its source". The Minister of the MECP appointed Chairs for SPCs. Subsequently, representatives from the watershed community were appointed to the SPCs.

The first step of the Source Protection Planning process required each SPC to prepare Terms of Reference. These documents outlined all necessary steps that document and implement the Source Protection Plan. Upon completion of the Terms of Reference, the Assessment Report, Watershed Characterization Report, and Water Budget and Water Quantity Stress Assessment were completed. The technical studies were utilized to determine vulnerable areas where contamination or shortages of water could be an issue for Municipal Drinking Water Sources. Technical studies were also used to establish a list of threats that were located within the vulnerable areas. The completed studies were then used to develop the Source Protection Plan. The Source Protection Plan contains a series of policies developed by the SPC in consultation with the local community to protect municipal drinking water sources from existing and future drinking water threats. The Plan describes the actions that must be taken by various agencies to protect surface water and groundwater sources that supply municipal drinking water.

Copies of all completed technical studies, the Lakehead Source Protection Plan, and previous Annual Progress Reports are available on-line at [www.lakeheadca.com](http://www.lakeheadca.com).

## **2.1 Lakehead Source Protection Area**

The Lakehead Source Protection Plan applies within the Lakehead Source Protection Area, which is 11,526 square kilometres and covers the area of land where the flow of water contained within the secondary watershed would eventually pass through the Lakehead Region Conservation Authority (LRCA) area of jurisdiction and reach Lake Superior. The LRCA area of jurisdiction, which differs from the Lakehead Source Protection Area, covers 2,700 square kilometres and is defined by the municipal boundaries of its eight Member Municipalities including: the City of Thunder Bay, the Municipalities of Oliver Paipouge, Shuniah and Neebing and the Townships of O'Connor, Conmee, Dorion and Gillies. See Map M-1, Lakehead Source Protection Area.

## **2.2 Lakehead Source Protection Plan**

The Lakehead Source Protection Plan is the culmination of the Lakehead SPC's efforts to draft policies to ensure that significant threats to Municipal Drinking Water Sources in the Lakehead Source Protection Area cease to be or never become significant drinking water threats.

Within the Lakehead Source Protection Area, there are two sources of Municipal drinking water: Bare Point Water Treatment facility, providing drinking water to the City of Thunder Bay, and the Rosslyn Village Drinking Water Facility, which provides drinking water to 32 homes within Rosslyn Village.

The Source Protection Plan contains a series of policies developed by the SPC in consultation with the local community to protect municipal drinking water sources from existing and future drinking water threats. The Plan describes the actions that must be

taken by various agencies to protect surface water and groundwater sources that supply municipal drinking water.

It is noted that the Lakehead Source Protection Plan did not include any policies that required Risk Management Officials or the development of Risk Management Plans.

There are two implementing bodies that are required to implement the Plan’s legally binding policies, they include the Municipality of Oliver Paipoonge and the Thunder Bay District Health Unit and are related to the Wellhead Protection Zones associated with the Rosslyn Village water supply. No significant or moderate threats were found to occur within the Intake Protection Zones of the City of Thunder Bay’s Bare Point Water Treatment Plant; therefore, only two non-legally binding policies, which do not require mandatory actions, are applicable to the City of Thunder Bay.

### **2.2.1 Approval of the Source Protection Plan**

The Lakehead Source Protection Plan was approved by the Minister of MECP on January 16, 2013, with an effective date of October 1, 2013.

### **2.2.2 Updates to the Source Protection Plan**

A Section 36 Order was issued to the Lakehead SPA from the Minister of the MECP on October 13, 2015. The Order specified that the SPA shall prepare and submit a Workplan to the MECP by November 30, 2017. The Order required that the Workplan include detailed steps for the review of the Source Protection Plan and be developed in consultation with the Lakehead SPC, participating municipalities of the Source Protection Area, and the MECP. The Order also required that the Lakehead SPA take information from the first two annual progress reports into account in preparation of the Workplan.

The Lakehead SPA proposed the following changes to the Lakehead Assessment Report and SPP, as outlined in Table 1 below.

*Table 1. Proposed updates, 2017 Section 36 Workplan.*

<b>Proposed Update No.</b>	<b>Description of Proposed Update</b>	<b>Implementing Body/Municipality</b>	<b>Applicable Document</b>
1	IPZ-2 update with new floodplain mapping for North Star Creek.	City of Thunder Bay	Assessment Report and SPP
2	Update of Policy RV.1.CW-PA in SPP to remove references to the size of prohibited Waste Disposal Sites.	Municipality of Oliver Paipoonge	SPP

3	Review of Policy RV.5.CW-EO in SPP to assess the need to distribute Education and Outreach materials in the future. Remove EO materials related to agriculture.	Municipality of Oliver Paipoonge and TBDHU	SPP
4	Update of Policy RV.1.CW-PA in SPP to ensure future updates of Official Plan and Zoning continue to reflect applicable policies.	Municipality of Oliver Paipoonge	SPP
5	Update of Policy RV.3.CW-SP in SPP to require updates and/or reviews of Salt Management Plan.	Municipality of Oliver Paipoonge	SPP
6	Update of Policy TB.1.NLB-SP in SPP to require the placement of a minimum of three buoys at the surface water Intake.	City of Thunder Bay	SPP

The Section 36 Workplan was submitted to the MECP on November 30, 2017. The Minister responded on May 8, 2018 and noted that a comprehensive review and update of the Lakehead SPP and Assessment Report was not required at that time. Further consultation with the Ministry confirmed that the Lakehead SPA could complete the proposed changes either under Section 34 or wait until the next review and submission of the Section 36 Workplan in five years (i.e., May 2023).

It was decided to not proceed with a Section 34 amendment and assess again during the next Section 36 Workplan process.

As per the Minister’s Order dated May 8, 2018, an updated Section 36 Workplan was submitted to MECP on May 7, 2023. The Lakehead SPA proposed the following updates to the SPP as listed in Table 2:

*Table 2. Proposed updates, 2023 Section 36 Workplan.*

<b>Proposed Update No.</b>	<b>Description of Proposed Update</b>	<b>Implementing Body/Municipality</b>	<b>Applicable Document</b>
1	Update of Policy RV.1.CW-PA in SPP to remove references to the size of prohibited Waste Disposal Sites.	Municipality of Oliver Paipoonge	SPP
2	Review of Policy RV.5.CW-EO in SPP to assess the need to distribute Education and Outreach materials in the future. Remove EO materials related to agriculture.	Municipality of Oliver Paipoonge and TBDHU	SPP

3	Update of Policy RV.1.CW-PA in SPP to ensure future updates of Official Plan and Zoning continue to reflect applicable policies.	Municipality of Oliver Paipoonge	SPP
4	Update of Policy RV.3.CW-SP in SPP to require updates and/or reviews of Salt Management Plan.	Municipality of Oliver Paipoonge	SPP
	Update of Policy TB.1.NLB-SP in SPP to require the placement of a minimum of three buoys at the surface water Intake.	City of Thunder Bay	SPP

In a letter dated October 24, 2023 from the Minister of MECP, Lakehead’s Section 36 Workplan was approved to update the workplan items identified in the attachment to the order which consisted of updates to the Director’s Technical Rules. Upon follow-up correspondence with MECP, it was confirmed that Lakehead’s proposed updates within the Section 36 workplan are considered discretionary and can be undertaken as long as they are in scope and follow the technical rules.

The SPC reviewed the Minister’s order at the March 11, 2024 meeting and resolved to proceed with the proposed updates as listed above in Table 2. Lakehead’s TPA with MECP was negotiated based on completing minor administrative updates to the policies within the source protection plan. Upon further consultation in 2025 with the MECP source protection branch, Lakehead’s section 36 workplan has been revised to include a comprehensive update to the assessment report, source protection plan and the explanatory document to ensure documentation aligns with the 2021 technical rules. The SPA is seeking additional funding to complete the revised scope of work. Working through the section 36 update will continue in 2026.

### **2.3 Source Protection Authority (SPA)**

The SPA for the Lakehead Source Protection Area follows the same structure as the LRCA Board of Directors. The LRCA Board is made up of members appointed by their respective municipal councils, which are either elected officials or appointed members of the public. For the reporting period, the SPA composition was the same as the LRCA Board of Directors.

#### **2.3.1 Source Protection Authority Membership**

SPA membership throughout the term of the reporting period included:

1. Donna Blunt, Municipality of Shuniah, Chair
2. Grant Arnold, Township of Conmee, Vice-Chair
3. Robert Beatty, Township of Dorion
4. Rudy Buitenhuis, Township of Gillies
5. Brian Kurikka, Municipality of Neebing

6. Jim Vezina, Township of O'Connor
7. Dan Calvert, Municipality of Oliver Paipoonge
8. Sheelagh Hendrick, City of Thunder Bay
9. Albert Aiello, City of Thunder Bay
10. Greg Johnsen, City of Thunder Bay
11. Trevor Giertuga, City of Thunder Bay

## **2.4 Source Protection Committee (SPC)**

The SPC, as stated in the *Clean Water Act*, was responsible for preparing the Terms of Reference, the Assessment Report and the Source Protection Plan, while being supported by the SPA. Through an application process, the Lakehead SPC was initially appointed by the SPA in the fall of 2007.

As outlined in O. Reg. 288/07 under the *Clean Water Act*, the SPA passed a resolution in April 2016 to reduce the Lakehead SPC from nine members to six. Following an application process, the new members of the reduced SPC were appointed by the SPA on November 30, 2016.

### **2.4.1 Source Protection Committee Chair**

The Minister of the MECP appoints the Chair of the SPC. The Chair of the Lakehead SPC over the term of the reporting period was Ms. Lucy Kloosterhuis, who was appointed by the Minister of the MECP, from September 24, 2019 to August 19, 2022, and reappointed for the term of October 18, 2022 to August 20, 2025.

The chair position has been vacant since August 20, 2025. It is up to the Minister of MECP to appoint an SPC Chair.

### **2.4.2 Source Protection Committee Membership**

The Lakehead SPC non-municipal members were appointed by the SPA on October 27, 2021, for a term of five years commencing on December 1, 2021.

On March 27, 2022, Erin Knight (public member) resigned from the Source Protection Committee. After completing the recruitment process, Mr. Mike Fabius was appointed as a Public Member, for the remainder of the term expiring November 30, 2026.

For the reporting period, membership of the SPC consisted of the following six members:

- Municipal
  - Walter Turek, City of Thunder Bay
  - Chris Bowles, Municipality of Oliver Paipoonge
- Industrial

- Ashleigh Marchl, Thunder Bay Pulp and Paper (December 1, 2021 to November 30, 2026)
- Agricultural
  - Bernie Kamphof (December 1, 2021 to November 30, 2026)
- Other
  - Shanley Thompson, Environmental (December 1, 2021 to November 30, 2026)
  - Mike Fabius (May 30, 2022 to November 30, 2026).

The SPC has also been supported by non-voting Liaison members. Over the reporting period, the First Nations liaison position remained vacant.

- Liaison Members
  - Lee Sieswerda, Thunder Bay District Health Unit
  - Monika Lemke, Ministry of the Environment, Conservation and Parks
  - Tammy Cook, Chief Administrative Officer, Lakehead Region Conservation Authority

### 3 Lakehead Source Protection Plan Policies

The following are the policies that the implementing bodies (i.e. Municipality of Oliver Paipoonge and Thunder Bay District Health Unit) are required to implement.

No significant or moderate threats were found to occur within the Intake Protection Zones of the City of Thunder Bay's Bare Point Water Treatment Plant. For this reason, only two Specify Action policies were included in the Lakehead Source Protection Plan. These policies are non-legally binding; however, they were considered important to the SPC, and represents a good faith commitment on behalf of the City of Thunder Bay. The City must have regard for these policies and should consider them when making decisions pertaining to their applicability.

The full policies can be viewed in the full version of the Lakehead Source Protection Plan that is available on-line at [www.lakeheadca.com](http://www.lakeheadca.com).

#### 3.1 Municipality of Oliver Paipoonge

The Lakehead Source Protection Plan contains six policies that apply to the Municipality of Oliver Paipoonge. The policies were implemented to ensure activities that are or would be a significant threat to municipal drinking water sources cease to exist or never become significant.

Policies that apply to the Municipality of Oliver Paipoonge are summarized below:

1. Policy RV.1.CW-PA prohibits future significant threats by prohibiting certain land uses.

Policy number RV.1.CW-PA (on page 55 of the Plan) states:

The following land uses are prohibited in Wellhead Protection Area A (WHPA-A):

- 1) Land uses that normally require waste disposal sites approvals including:
  - Application of hauled sewage to land;
  - Mine tailings stored in a pit or in impoundment structures where the National Pollutant Release Inventory (NPRI) notice requires a person to report;
  - Landfarming of petroleum refining waste (more than ten hectares);
  - Landfilling of hazardous waste (less than one hectare);
  - Landfilling of municipal waste (less than one hectare);
  - Land disposal of commercial or industrial waste (less than one hectare);
  - Land disposal of liquid industrial waste
  - Storage of PCBs; and
  - A waste disposal site that is not approved to accept hazardous waste or liquid industrial waste but accepts small volumes that are exempt from Ontario Regulation 347.
- 2) Sewage treatment facilities, not including septic systems under 10,000 litres per day.
- 3) Non-residential uses where organic solvents occur including, but not limited to, dry cleaning operations, vehicle service centres, paint and hardware stores, retail or wholesale pharmaceutical storage and distribution centres.
- 4) Uses where fuel is stored including but not limited to, non-residential fuel storage, retail fuel outlets, uses where backup generators are required (with the exception of the backup generator at the Rosslyn Village Water Treatment Plant), industrial operations and any other uses involving the bulk handling and storage of fuel.
- 5) Uses which include the storage of dense non-aqueous phase liquid (DNAPLs) except for incidental volumes for personal domestic use.
- 6) Future Agricultural uses.

- 7) The Official Plan and Zoning By-law shall be brought into conformity with provisions 1 to 6 in accordance with Section 26 of the *Planning Act*.
2. Policy RV.2.M-PA is used to monitor the implementation of RV.1.CW-PA under the Source Protection Plan. Through the monitoring, the Lakehead SPA can monitor changes to the Official Plan and necessary Zoning By-laws. This will help to facilitate the monitoring process and advise the SPC of any issues related to the Land Use Planning Policy.

Policy RV.2.M-PA (located on page 57 of the Plan) states:

In relation to policy RV.1.CW-PA, the Municipality of Oliver Paipoonge shall provide an Annual Report to the Lakehead SPA by February 1 of each year on the steps it has taken in the previous calendar year to implement the policies that are set out in the Source Protection Plan and apply to its decisions under the *Planning Act* and the *Condominium Act*.

The SPA, in conjunction with the Municipality, shall evaluate the effectiveness of the significant threat policies in the Source Protection Plan that affect *Planning Act* and *Condominium Act* decisions.

3. Policy RV.3.CW.SP manages future significant threats of application handling and storage of road salt, and storage of snow and potential future land use changes.

Policy RV.3.CW.SP (located on page 58 of the Plan) states:

To address the handling and storage of road salt (existing and future) and storage of snow (existing and future) the Municipality of Oliver Paipoonge shall prepare a Salt Management Plan to address the sensitivity of the Rosslyn Village WHPA-A within one year of the Source Protection Plan taking effect. Specific actions that should be included in the plan to address the risk of road salt effects on source water include:

- a) Locating salt and snow storage areas outside of the WHPA-A
- b) Minimizing application of road salt within WHPA-A

Copies of any Official Plan and Zoning By-law amendment applications in WHPA-A shall also be provided by the Municipality of Oliver Paipoonge to the Lakehead SPA once they have been received for review and comment and shall provide copies of these amendments once they have been adopted. This procedure must be established within one (1) year of the Source Protection Plan taking effect.

4. Policy RV.4.M.SP is the monitoring policy that has been put in place in order to monitor the actions and measures of policy RV.3.CW.SP.

Policy RV.4.M.SP (located on page 60 of the Plan) states:

By February 1 of each year after the Source Protection Plan takes effect, the Municipality of Oliver Paipoonge shall provide an Annual Report to the Lakehead SPA with a description of the actions/measures they have taken to implement policy RV.3.CW-SP during the previous calendar year. The report shall also include a description of what steps are being taken to determine the extent to which the specified action has achieved its objectives and any information on the results of those steps.

The Municipality of Oliver Paipoonge shall provide the Lakehead SPA with a copy of the Salt Management Plan once it is adopted.

5. Policy RV.5.CW-EO is designed to educate the residents of WHPA-A on existing and possible future threats on their property related to plane de-icer, agricultural threats and DNAPLs.

Policy RV.5.CW-EO (located on page 62 of the Plan) states:

The Municipality of Oliver Paipoonge shall develop an education program regarding the potential harmful effects of plane de-icer within the WHPA-A. This material will be required in the event of an airport being proposed.

To address all agricultural related drinking water threats (existing and future – Agricultural Source Material, Non-Agricultural Source Material, commercial fertilizer, pesticide and livestock grazing or pasturing of land, an outdoor confinement area or farm animal yard) the Municipality of Oliver Paipoonge shall develop an education and awareness program to advise the landowner in WHPA-A whose property currently contains existing agricultural threats. The Municipality shall prepare a package that will include information for best management practices and to raise awareness of and reduce drinking water threats. This information shall be developed and distributed within 2 years of the Source Protection Plan taking effect.

The Municipality shall prepare a package that will include information for best management practices and to raise awareness of and reduce drinking water threats related to the harmful effects of DNAPLs impacting groundwater resources.

6. Policy RV.6.M-EO has been put forth to monitor policy RV.5.CW-EO, allowing the Lakehead SPA to ensure the actions and measures being carried out by the

Municipality of Oliver Paipoonge are in compliance with the Source Protection Plan.

Policy RV.6.CW-EO (located on page 62 of the Plan) states:

By February 1 of each year, the Municipality of Oliver Paipoonge shall provide an Annual Report to the Lakehead SPA with a description of the actions/measures they have taken to implement the education and outreach program in the Source Protection Plan in the previous calendar year. The report shall also include a description of what steps are being taken to determine the extent to which the program has achieved its objectives and any information on the results of those steps.

The Municipality of Oliver Paipoonge shall also provide a copy of any materials produced and the number of residents reached by the education and outreach materials.

The policies are applicable to the Municipality of Oliver Paipoonge and only apply to the WHPA-A designated area.

### **3.2 Thunder Bay District Health Unit**

Four policies apply to the Thunder Bay District Health Unit (TBDHU), summarized as follows:

1. Policy number RV.3.CW-SP (on page 58 of the Plan) manages the existing significant threat of septic systems under 10,000 litres a day as well as new septic systems under 10,000 liters a day. The Policy states:

The Thunder Bay District Health Unit shall ensure that on-site sewage maintenance inspections are conducted on all existing and future septic systems within WHPA-A, under the authority of the Building Code. This process will begin within 5 years of the approval of the Assessment Report for the Lakehead Source Protection Area (June 21, 2011).

All septic system inspections within the Rosslyn Village Wellhead Protection Area-A (WHPA-A) must be completed by the Thunder Bay District Health Unit on or before June 20, 2016, and every five years thereafter.

2. Policy RV.4.M.SP (on page 60 on the Plan) is the monitoring policy that has been put in place in order to monitor the actions and measures of policy RV.3.CW.SP.

The Policy states:

By February 1 of each year after the Source Protection Plan takes effect, the Thunder Bay District Health Unit shall provide an Annual Report to the Lakehead SPA with a description of the actions/measures they have taken to implement policy RV.3.CW-SP during the previous calendar year. The report shall also include a description of what steps are being taken to determine the extent to which the specified action has achieved its objectives and any information on the results of those steps.

The Thunder Bay District Health Unit shall also provide the Lakehead SPA with the following information:

- a) Results of mandatory sewage system maintenance inspections.
  - b) A summary compliance report outlining any corrective action found to be necessary as a result of the Sewage Systems Maintenance Program.
- 3.** Policy number RV.5.CW-EO (on page 62 on the Plan) is designed to educate the residents of WHPA-A on existing and possible future threats on their property.

The Policy states:

To address septic systems under 10,000 litres a day (existing and future) the Thunder Bay District Health Unit shall provide within two years of the Source Protection Plan taking effect, information to landowners whose properties are serviced by an on-site sewage system within WHPA- A. The information shall be made available for a minimum of two years and will include:

- a) The reasons for the required inspection program.
  - b) Maintenance of systems.
  - c) Various types of allowed systems.
  - d) Best management practices for using a system.
- 4.** Policy number RV.6.M-EO (on page 64 on the Plan) states:

By February 1 of each year, the Thunder Bay District Health Unit shall provide an Annual Report to the Lakehead SPA with a description of the actions/measures they have taken to implement the education and outreach program (Policy RV.5.CW-EO) in the Source Protection Plan in the previous calendar year. The report shall also include a description of what steps are being taken to determine

the extent of which the program has achieved its objectives and any information on the results of those steps.

Enclosed with the Thunder Bay District Health Unit Annual Report shall be copies of any materials produced and the number of landowners/operators/persons engaged in significant drinking water threats reached by the program.

### **3.3 City of Thunder Bay**

The Specify Action policies within the Lakehead Source Protection Plan are non-legally binding; however, were considered important to the Lakehead SPC during the Plan development. They are recommended “best management practices” for the City of Thunder Bay.

Policy TB.1.NLB-SP was implemented to protect the intake pipe from the potential impacts of ship anchorage. The policy states:

The City of Thunder Bay should update a Spill Prevention and Contingency Plan that may include, at a minimum placing a buoy at the anchorage boundary that is within proximity to the Intake. It was further recommended by the Lakehead SPA that the City of Thunder Bay should consider the following: instead of placing one buoy on the anchorage line, it was suggested that buoys were placed at the intersections of the anchorage line and Intake Protection Zone 2 (IPZ 2), if depth permits. The City took the recommendation into consideration and places three buoys to prevent anchorage over the intake every spring once conditions are ice-free.

Policy TB.2.M-SP was created to monitor the implementation of Policy TB.1.NLB-SP by stating that the City of Thunder Bay shall provide the Lakehead SPA with a copy of any updates to the Spill Prevention and Contingency Plan that is created, any actions that are taken under this Plan to protect the Bare Point Intakes, including blue-green algae monitoring. The following documents are available that support Policy TB.2.M-SP

Thunder Bay Pollution, Prevention and Control Plan, Phase 2, XCG Consultants Ltd., June 1999.

Thunder Bay Stormwater Management Plan for Sustainable Surface Water Management, Volume I: The Plan, April 2016.

City of Thunder Bay Bare Point Water Treatment Plan and Distribution Subsystem Infrastructure & Operations Environment Division – Water Authority Operations Manual: Diesel Spill at Bare Point WTP, September 2016.

City of Thunder Bay Bare Point Water Treatment Plan and Distribution Subsystem Infrastructure & Operations Environment Division – Water Authority Operations Manual: Monitoring and Reporting Blue-Green Algae Blooms, BP-WQ-PR-998, September 2019.

## 4 Source Protection Plan Implementation Status

The following table summarizes the implementation status of the policies with action items included in the Source Protection Plan, along with the dates of all tasks completed during the reporting period of January 1, 2025 to December 31, 2025.

Table 3. Source Protection Plan Implementation Status

<b>Table 1: Lakehead Source Protection Plan Policy Implementation Status</b>				
<b>Policy #</b>	<b>Implementing Body</b>	<b>Policy Description</b>	<b>Implementation Completion Date</b>	<b>Status</b>
RV.1.CW-PA	Municipality of Oliver Paipoonge	Update Official Plan and Zoning By-Law to reflect prohibitions and provide conformity with the Plan.	Official Plan updated and adopted May 2018. Official Plan references SPP Policies.  Zoning by-law updated December 2018.  Site Specific Zoning amendment 745-2013 passed, removing agriculture, stables, riding academies and dog kennels from list of permitted uses for portion of land parcel located in WHPA-A.	<b>Implemented</b>
RV.2.M-PA	Municipality of Oliver Paipoonge	Provide Annual Report to SPA every year by February 1 <sup>st</sup> of each year related to decisions under the <i>Planning Act</i> and <i>Condominium Act</i>	Reports received by SPA: January 24, 2014 January 29, 2015 January 28, 2016 January 30, 2017 January 30, 2018 January 8, 2019 January 28, 2020 January 5, 2021 January 27, 2022 January 27, 2023 January 15, 2024 January 3, 2025 January 5, 2026	<b>Implemented</b>  <b>On-going</b> Subsequent reports due in future reporting years.

<b>Table 1: Lakehead Source Protection Plan Policy Implementation Status</b>				
<b>Policy #</b>	<b>Implementing Body</b>	<b>Policy Description</b>	<b>Implementation Completion Date</b>	<b>Status</b>
RV.3.CW-SP 1)	Municipality of Oliver Paipoonge	Prepare Salt Management Plan by October 1, 2014	October 2, 2014  Adopted by Council October 15, 2014  No salt or snow stored in WHPA-A. No salt applied in WHPA-A.	<b>Implemented</b>  <b>On-going</b> Continue to not store snow and salt and minimize salt application in WHPA-A
RV.3.CW-SP 2)	Thunder Bay District Health Unit	Inspect all septic's located within WHPA-A by June 20, 2016 and every 5 years thereafter.  Next inspection round will be between 2024 – 2026.	25 of 25 inspected as of 2016.  7 septics reinspected in 2019. 6 septics reinspected in 2020. 12 septics reinspected in 2021.  25 of 25 reinspected as of 2021.  13 septics reinspected in 2024; no observed issues;  No inspections undertaken in 2025; 1 follow-up inspection planned for 2026 regarding maintenance requirements for advance sewage treatment systems.  Remaining 12 septic systems will be reinspected in 2026.	<b>Implemented</b>  <b>On-going</b> All septic systems will be inspected every 5 years from the date of initial inspection.
RV.3.CW-SP 3)	Municipality of Oliver Paipoonge	Provide copies of all Official Plan and Zoning by-law amendment applications in WHPA-A to SPA and establish procedure by October 1, 2014.	All Official Plan and Zoning by-law amendment applications are provided to the SPA	<b>Implemented</b>  <b>On-going</b> Future applications in WHPA-A to be provided to SPA.
RV.4.M-SP 1)	Municipality of Oliver Paipoonge	Provide Annual Report to SPA every year by February 1 <sup>st</sup> of each year related to Policy RV.3.CW-SP.	Reports received by SPA: January 24, 2014 January 29, 2015 January 28, 2016 January 30, 2017	<b>Implemented</b>  <b>On-going</b> Subsequent reports due in

<b>Table 1: Lakehead Source Protection Plan Policy Implementation Status</b>				
<b>Policy #</b>	<b>Implementing Body</b>	<b>Policy Description</b>	<b>Implementation Completion Date</b>	<b>Status</b>
		Provide a copy of the Salt Management Plan once it is adopted.	January 30, 2018 January 8, 2019 January 28, 2020 January 5, 2021 January 27, 2022 January 27, 2023 January 15, 2024 January 3, 2025 January 5, 2026  Salt Management Plan received October 2, 2014	future reporting years.
RV.4.M-SP 2)	Thunder Bay District Health Unit	Provide Annual Report to SPA every year by February 1 <sup>st</sup> of each year related to Policy RV.3.CW-SP.  Include results of mandatory septic system inspections and any corrective actions.	Reports received by SPA: January 30, 2014 January 23, 2015 January 19, 2016 January 16, 2017 January 30, 2018 January 3, 2019 January 10, 2020 January 5, 2021 January 4, 2022 January 16, 2023 January 29, 2024 January 14, 2025 January 22, 2026	<b>Implemented</b>  <b>On-going</b> Subsequent reports due in future reporting years.
RV.5.CW-EO 1)	Thunder Bay District Health Unit	By October 1, 2015, provide information to landowners in WHPA-A related to septic inspection program, maintenance, types of systems allowed and best management practices. Information must be available for a minimum of two years.	Distributed to WHPA-A residents on:  February 7, 2014 January 11-15, 2016 January 16-20, 2017	<b>Implemented</b>

<b>Table 1: Lakehead Source Protection Plan Policy Implementation Status</b>				
<b>Policy #</b>	<b>Implementing Body</b>	<b>Policy Description</b>	<b>Implementation Completion Date</b>	<b>Status</b>
RV.5.CW-EO 2)	Municipality of Oliver Paipoonge	Develop an education program regarding harmful effects of plane de-icer within WHPA-A.	Fact Sheet created	<b>Implemented</b>
RV.5.CW-EO 3)	Municipality of Oliver Paipoonge	Develop an education program regarding agricultural threats to advise the landowner in WHPA-A whose property contains existing agricultural threats. Package must be provided by October 1, 2015.	Package distributed prior to September 30, 2015	<b>Implemented</b>
RV.5.CW-EO 4)	Municipality of Oliver Paipoonge	Develop a package that includes information for best management practices and raise awareness related to the threats posed by DNAPLS.	Fact Sheet created and distributed prior to September 30, 2015.	<b>Implemented</b>
RV.6.M-EO 1)	Thunder Bay District Health Unit	Provide Annual Report to SPA every year by February 1 <sup>st</sup> of each year related to Policy RV.5.CW-EO.  Provide copies of any material produced and number of residents reached by program.	Reports received by SPA: January 30, 2014 January 23, 2015 January 19, 2016 January 16, 2017 January 30, 2018 January 3, 2019 January 10, 2020 January 5, 2021 January 4, 2022 January 16, 2023 January 29, 2024 January 14, 2025 January 22, 2026	<b>Implemented</b>  <b>On-going</b> Subsequent reports due in future reporting years.  Note – E&O material was distributed between 2015 – 2017.
RV.6.M-EO 2)	Municipality of Oliver Paipoonge	Provide Annual Report to SPA every year by February 1 <sup>st</sup>	Reports received by SPA: January 24, 2014 January 29, 2015	<b>Implemented</b>  <b>On-going</b>

<b>Table 1: Lakehead Source Protection Plan Policy Implementation Status</b>				
<b>Policy #</b>	<b>Implementing Body</b>	<b>Policy Description</b>	<b>Implementation Completion Date</b>	<b>Status</b>
		of each year outlining what actions have been taken to implement the education and outreach program.  Provide a copy of materials produced and number of people reached by program.	January 28, 2016 January 30, 2017 January 30, 2018 January 3, 2019 January 28, 2020 January 5, 2021 January 27, 2022 January 27, 2023 January 15, 2024 January 3, 2025 January 5, 2026	Subsequent reports due in future reporting years.
TB.1.NLB-SP	City of Thunder Bay	Non-legally binding policy.  Suggested to place buoys at the anchorage boundary that is within proximity to the intake. The City places three buoys to prevent anchorage.	Three buoys placed by private contractor in the spring during ice-free conditions. Removed every year at ice up.	<b>Implemented</b>  <b>On-going</b> Requires re-installation every spring.
TB.2.M-SP	City of Thunder Bay	Non-legally binding policy.  Provide SPA a copy of any updates to the Spill Prevention and Contingency Plan that is created, and any actions that are taken under this Plan to protect the Bare Point Intakes.	Emergency Management Plan updates provided March 17, 2016.  Update to Standard Operating Procedure related to blue-green algae monitoring and reporting received on March 16, 2021.	<b>Implemented</b>  <b>On-going</b> Copies of subsequent updates are to be provided to the SPA.

## 5 Deficiencies in the Assessment Report

As required in Section 52 (1) part 2 of Ontario Regulation 287/07, the annual report is to include a summary of any steps taken during the reporting period to address any deficiencies in the information that was used in developing the Assessment Report set out in the Source Protection Plan.

General deficiencies noted in the Approved Assessment Report for the Lakehead Source Protection Area, dated May 2011 included:

- Intake Protection Zone 3 not delineated (noted as an action item for future Assessment Report updates)
- Lack of groundwater well data
- Lack of surface water intake data
- No data on groundwater/surface water interactions
- Lack of long-term weather data
- Lack of available depth, soil composition and water table depth data to delineate Highly Vulnerable Aquifers with any certainty
- Aquifer vulnerability was not assessed in a large part of the Lakehead Source Protection Area due to a lack of available data.

Over the reporting period, no steps were taken to address the deficiencies noted in the Approved Assessment Report. It is noted that the majority of deficiencies are related to a lack of overall historical base data. Additionally, it has been concluded that the acquisition of the data is not likely to result in revealing new threats or the development of new policies.

## 6 Other Items to Report

The presence of arsenic in the Rosslyn Village municipal drinking water system has been recently discussed at the SPC meetings. Arsenic is a naturally occurring metal found in many minerals and is not listed as one of the 22 prescribed drinking water threats under the *Clean Water Act, 2006*. The Ontario Drinking Water Standards (ODWS) advise water is safe to consume when arsenic levels are reported to be less than 0.01 mg/L.

The Rosslyn Village municipal drinking water system consists of a North well and South well that provide water to 32 users. Slightly elevated levels of arsenic were detected in the North well in the fall of 2022 and the well was subsequently taken offline and water was being sourced solely from the South well. In March of 2023, arsenic above 0.01 mg/L was detected in the South well water; the Thunder Bay District Health Unit issued a Drinking Water Advisory to advise residents not to consume the water.

At the SPC meeting held on March 5, 2025, the Municipality of Oliver Paipoonge reported that slightly elevated levels of arsenic are still present in the drinking water system and the municipality is continuing work on installing an arsenic treatment system. It was noted that the arsenic source is considered to be naturally occurring. It was further noted that the Ontario Drinking Water Standard (ODWS) for arsenic changed from 0.025 mg/L to 0.010 mg/L (*Post Meeting Note: this change happened on January 1, 2018*). Installation of an arsenic treatment system will ensure that arsenic concentrations found in the Rosslyn

Village drinking water are below the 0.010 mg/L ODWS. A update regarding the installation of the arsenic treatment system will be provided at the March 12, 2026 SPC meeting.

## **7 Annual Report Distribution**

### **7.1 Source Protection Committee**

The SPC was provided a copy of the Lakehead SPP Annual Report covering the period of January 1, 2025 to December 31, 2025 within their March 12, 2026 SPC Meeting Agenda.

The Report was discussed at the SPC Meeting held on March 12, 2026 and it was the consensus of the SPC that the Source Protection Plan had met its objectives for 2025.

### **7.2 Source Protection Authority**

The SPA adopted the 2025 Annual Report on April 29, 2026 as per resolution #03/25.

### **7.3 Director of the Ministry of Environment, Conservation and Parks**

The Lakehead Source Protection Plan Annual Report was provided to the Director of the MECP on May 1, 2026.

### **7.4 Public**

The Lakehead Source Protection Plan Annual Report will be accessible by the public on the Lakehead Source Protection website [www.lakeheadca.com](http://www.lakeheadca.com).

## **8 Conclusion**

For the reporting period of January 1, 2025 to December 31, 2025, all policies as outlined in the Lakehead Source Protection Plan have been implemented by the respective implementing bodies.

Actions completed by the Municipality of Oliver Paipoonge over the reporting period included: Completion of the annual report to the SPA. There were no Official Plan and Zoning By-law amendment applications within WHPA-A in 2025.

Future policy actions required by the Municipality of Oliver Paipoonge include: continuing to circulate all Official Plan and Zoning by-law *Planning Act* applications within WHPA-A to the SPA; continuing to prohibit prohibited land uses in WHPA-A; continue to locate salt and snow storage outside of WHPA-A; continue to minimize salt application in WHPA-A; continue to have the fact sheets related to DNAPLs and plane de-icer available for distribution; and prepare and submit annual reports to the SPA by February 1<sup>st</sup> of every reporting year.

Actions completed by the Thunder Bay District Health Unit over the reporting period included completion of the annual report to the SPA. There were no inspections undertaken in 2025. The initial required septic system inspections were completed by the Thunder Bay District Health Unit as of June 2016 and were reinspected as required (i.e., within 5 years) in 2019, 2020, 2021. The next cycle of inspections began in 2024. There is one (1) known advanced treatment system that will require follow-up with the systems owner in 2026 to determine its maintenance status. There have been no sewage system failures detected.

Future policy actions required by the Thunder Bay District Health Unit include: re-inspect all septic systems within WHPA-A every five years, with the next re-inspection planned for 2026, and prepare and submit annual reports to the SPA by February 1<sup>st</sup> of every reporting year.

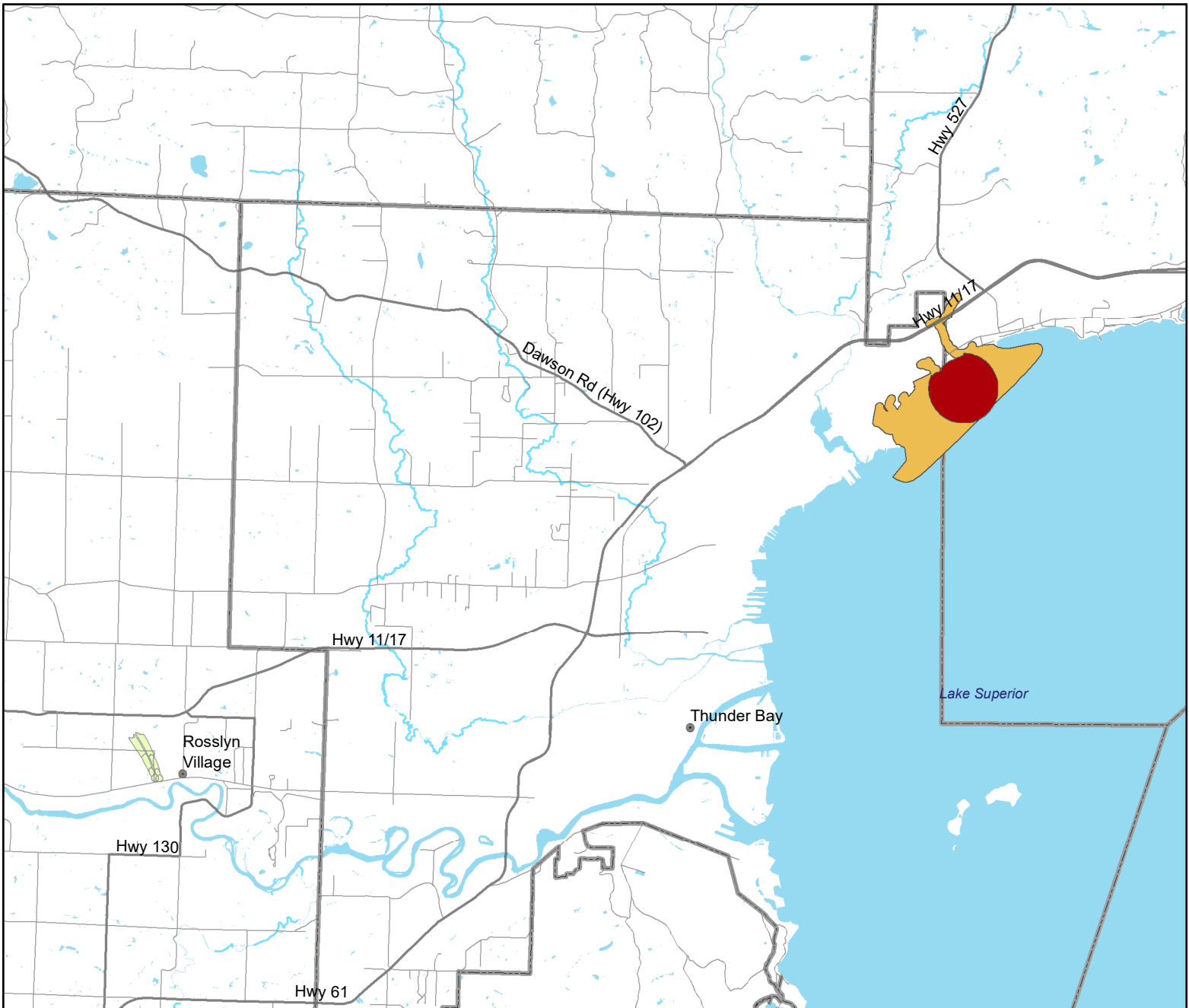
Actions completed by the City of Thunder Bay over the reporting period included placing three buoys marking the anchorage boundary in proximity to the intake during the ice free period.

Future policy actions recommended to be completed by the City of Thunder Bay include: annually place three buoys marking the anchorage boundary in proximity of the intake; provide the SPA copies of any updates to the Spill Prevention and Contingency Plan and a summary of any actions taken to protect the Bare Point Intakes, as well as providing updates to the Standard Operating Procedure related to monitoring and reporting of blue-green algae blooms.

No actions were taken over the reporting period to address deficiencies noted in the Assessment Report, as the acquisition of the data is not considered to result in any new identified threat or required policies.

Lakehead's section 36 workplan and subsequent TPA with MECP was based on completing minor administrative updates to the policies within the source protection plan. Upon further consultation in 2025 with the MECP source protection branch, Lakehead's section 36 workplan has been revised to include a comprehensive update to the assessment report, source protection plan and the explanatory document to ensure documentation aligns with the 2021 technical rules. The SPA is seeking additional funding to complete the revised scope of work. Working through the section 36 update will continue in 2026.

The next annual report is due from the Lakehead SPA to the Director of the MECP on May 1, 2027 for the period of January 1, 2026 to December 31, 2026.



**Map M-1  
Lakehead Source  
Protection Area**

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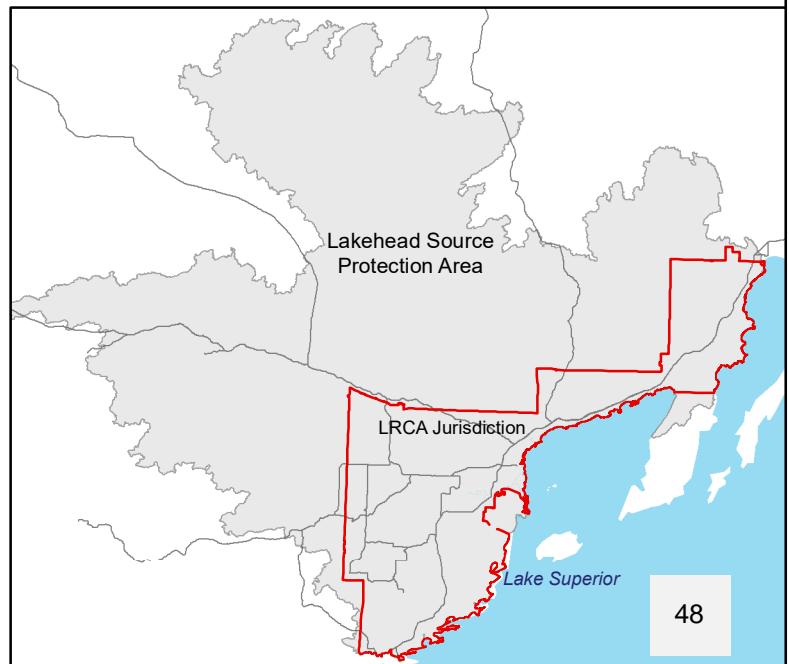
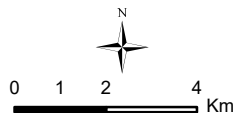
Base data supplied, under licence,  
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Exchange. Map produced  
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the Province of Ontario.



Made possible through the support  
of the Ontario Government

**Legend**

-  Wellhead Protection Areas
- Intake Protection Zone**
-  IPZ-1
-  IPZ-2
-  LRCA Boundary
-  Municipal Boundary
-  Highway
-  Road
- Drainage**
-  Water Body
-  River



# Source Protection Annual Progress Report

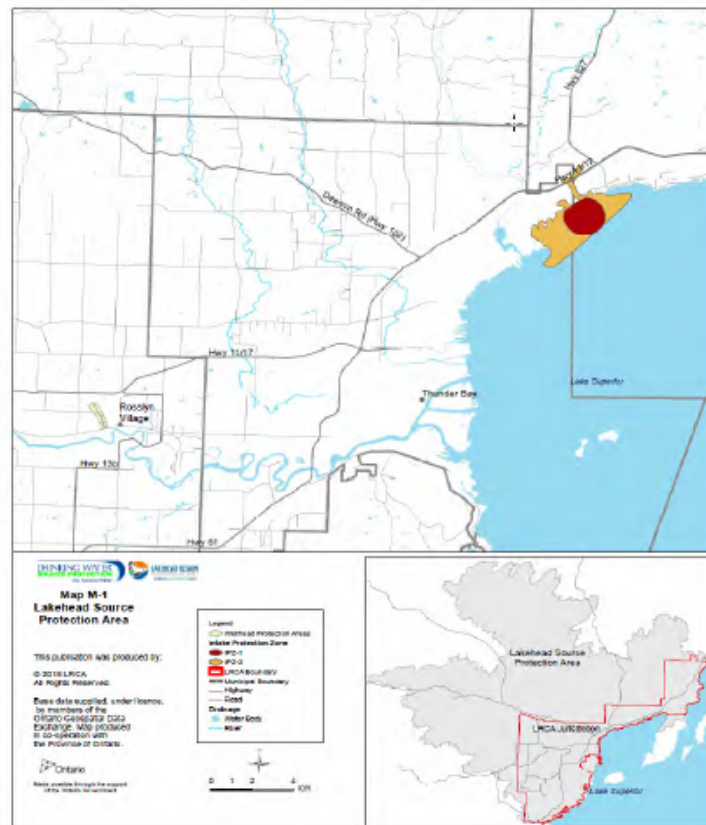
## I. Introduction

This report applies to the Lakehead Source Protection Area.

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

**P : Progressing Well/On Target - The majority of the source protection plan policies have been implemented and/or are progressing.**

All of Lakehead's source protection plan policies have been implemented and are progressing well.



### III. Our Watershed

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

Lakehead's source protection area is located along the northwestern shore of Lake Superior within the MNR District of Thunder Bay-Ignace. There are two municipal drinking water systems within the source protection area: 1: the Bare Point Water Treatment Plant that consists of a surface water intake from Lake Superior, servicing the City of Thunder Bay and Fort William First Nation, and 2: the Rosslyn Village Municipal Drinking Water System that consists of two wellheads servicing 32 residences within the Municipality of Oliver Paipoonge.

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

### 1. Source Protection Plan Policies

100% - all legally binding policies have been implemented. There were no Official Plan or zoning by-law amendment applications within WHPA-A received during the reporting period (prohibited land-use policy). All septic systems within WHPA-A have been inspected and re-inspected. No sewage system failures have been detected. The maintenance status of 1 advanced sewage treatment system remains to be determined through consultation with the maintenance providers and the system owner; the TBDHU will follow up with the property owner in 2026. The start of the next 5-year inspection cycle will commence in 2026.

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

100% complete. There is only one municipal drinking water system within the Lakehead source protection area with vulnerable areas where significant drinking water threat policies apply: the Municipality of Oliver Paipoonge, Rosslyn Village Municipal Drinking Water System. The Municipality of Oliver Paipoonge updated their Official Plan to reflect the source protection plan policies; the updated Official Plan was approved by the MMAH in May 2018. Since 2018, there have been no updates to the source protection plan policies and therefore, no further Official Plan updates required.

### 3. Septic Inspections

There are 25 sewage systems within WHPA-A of the Rosslyn Village municipal drinking water system that are considered a significant threat. The Lakehead source protection plan includes policy # RV.3.CW-SP that requires the Thunder Bay District Health Unit (TBDHU), as the implementing body, responsible for completing sewage system inspections to ensure compliance with Ontario's Building Code within the Lakehead Source Protection Area. The TBDHU inspects the on-site sewage systems on a 5-year cycle. All 25 systems have had an initial inspection and all 25 have been reinspected. No sewage system failures have been detected. There were no inspections that commenced in 2025. The maintenance status of 1 advanced sewage treatment system remains to be determined through consultation with the maintenance providers and the system owner; the TBDHU will follow up with the property owner in 2026. The start of the next 5-year inspection cycle will commence in 2026.

### 4. Risk Management Plans

n/a - no Risk Management Plan policies within Lakehead's source protection plan.

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

n/a - no prescribed instrument policies within Lakehead's source protection plan.

## 6. Source Protection Awareness and Change in Behaviour

Nothing to report. There are no Drinking Water Protection Zone signs installed within the Lakehead source protection region.

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

n/a - all policies have been implemented.

## 8. Source Water Quality: Monitoring and Actions

n/a - In Lakehead's source protection region/area, no issues have been identified in our local science-based assessment report regarding the quality of the source(s) of municipal drinking water. However, post Assessment Report, the Rosslyn Village municipal drinking water system in the Municipality of Oliver-Paipoonge has been under a drinking water advisory, issued by the Thunder Bay District Health Unit, since March 2023 due to the presence of slightly elevated levels of arsenic in the drinking water. The arsenic is believed to be naturally occurring due to the geology of the area. The municipality is working with the Ontario Clean Water Agency and the Walkerton Clean Water Centre, to install an arsenic treatment system. An update will be provided at the March 12, 2026 SPC meeting.

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

n/a - The current AR is based on the original TRs and has not yet been updated to the 2017 nor the 2021 TRs. Lakehead is currently undertaking a s.36 update. The assessment report and the source protection plan will be updated to reflect the 2021 technical rules - updates are administrative in nature and no significant changes to the technical studies completed within the original assessment report are anticipated.

## 10. More from the Watershed

Lakehead's Source Protection website can be found here: <https://lakeheadca.com/watershed-management/source-water-protection/> Information including meeting minutes, agendas, reports and technical studies completed can all be found on the website.



# Source Water Protection Supplemental Form MECP - Source Protection - 2025

Report Id	Question	Answer	Completed
110 (5398)	Did all applicable implementing bodies submit a status update or annual report to the Source Protection Authority for the previous reporting year? If the answer is 'No,' please provide details in the comments field, including which implementing body was non-compliant and, if known, the reason for the non-compliance.	Yes	Yes
120 (5386)	Has the Source Protection Authority confirmed that all applicable implementing bodies have reported the implementation status of all threat policies as contained in their source protection plan?	Yes	Yes
130 (5399)	Has the Source Protection Authority confirmed that, for any significant and legally binding policy not implemented by its specified deadline, an explanation has been provided that includes both a description of the policy and the reasons for the delay?	Yes	Yes
200 (5229)	State the number of transport pathway notices received from municipalities in this reporting period (i.e. ANNUAL).	0	Yes



# Source Water Protection Supplemental Form MECP - Source Protection - 2025

**Report Id**      **Question**  
200 (5229)      State the number of transport pathway notices received from municipalities in this reporting period (i.e. ANNUAL).

<b>Agency</b>	<b>Answer</b>	<b>Completed</b>
<b>Total:</b>	0	

**Report Id**      **Question**  
210 (5230)      Where transport pathway notices were received, indicate the action(s) taken by the source protection region/area in response to receiving these notices:

<b>Agency:</b> <b>SPR - Lakehead</b>	<b>Answer</b>	<b>Completed</b>
Provided information to municipalities about changes in vulnerability	0	Yes
Provided notice to Source Protection Committee for information	0	Yes
Situation continues to be monitored	0	Yes



# Source Water Protection Supplemental Form MECP - Source Protection - 2025

Summary	
Item	Count

Report Id	Question
300 (5365)	Were there any deficiencies identified in the information that was used in developing the assessment report set out in the source protection plan? If "Yes", please state in the comments field, the deficiencies, and outline the steps taken during the review period to address these deficiencies.

Agency:	Answer	Completed
<b>SPR - Lakehead</b> 2013/2017 technical rules were used for the assessment report update/amendment, provide a summary of steps taken to further assess or implement the plans of work described in technical rule 50.1: GUDI for WHPA-E or F not included in your original assessment report(s).	0	Yes
2013/2017 technical rules were used for the assessment report update/amendment, provide a summary of steps taken to further assess or implement the plans of work described in technical rule 116: Issue Contributing Area not included in your original assessment report(s).	0	Yes
2013/2017 technical rules were used for the assessment report update/amendment, provide a summary of steps taken to further assess or implement the plans of work described in technical rule 30.1: Water Budget Tier 3 not included in your original assessment report(s).	0	Yes



# Source Water Protection Supplemental Form

## MECP - Source Protection - 2025

2021 technical rules were used for the assessment report update/amendment, provide a summary of steps taken to further assess or implement the plans of work described in technical rule 30.1: Water Budget Tier 3 not included in your original assessment report(s). 0 Yes

2021 technical rules were used for the assessment report update/amendment, provide a summary of steps taken to further assess or implement the plans of work described in technical rule 50.1: GUDI for WHPA-E or F not included in your original assessment report(s). 0 Yes

### Summary

**Item**

**Count**

**Report Id**

**Question**

400 (5366)

Does the source protection authority have any other item(s) on which it wishes to report? If so, please state in the comments field.



# Source Water Protection Supplemental Form

## MECP - Source Protection - 2025

SPR - Lakehead

The Rosslyn Village municipal drinking water system in the Municipality of Oliver-Paipoonge has been under a drinking water advisory, issued by the Thunder Bay District Health Unit, since March 2023 due to the presence of slightly elevated levels of arsenic in the drinking water. The arsenic is believed to be naturally occurring. The municipality is working with the Ontario Clean Water Agency and the Walkerton Clean Water Centre, to install an arsenic treatment system. An update will be provided at the March 12, 2026 SPC meeting.

Yes

**Report Id**

**Question**

200 (5313)

Has the municipality completed or is in the process of completing amendments to its Official Plan (OP) to conform with the latest Source Protection Plan (SPP) and their policies by the due date specified in the plan?

If No, please provide an explanation, in the comments field, of why the municipality has not completed their OP conformity exercise as per the requirements of CWA s. 40. Please include the action(s) being taken to address any non-conformity.

If there is a change in status from the previous reporting period, please provide an explanation in the comments field.

**Agency:** Municipality of Oliver Paipoonge

**Answer**

**Completed**

Completed

Yes

Yes

Completed but Under Appeal

No

Yes

In Progress/Updates Underway

No

Yes

Needs updating to reflect amended SPP

No

Yes

Not Applicable

No

Yes

Not Started

No

Yes



# Source Water Protection Supplemental Form MECP - Source Protection - 2025

## Summary

Item	Count
Completed	1
Completed but Under Appeal	0
In Progress/Updates Underway	0
Needs updating to reflect amended SPP	0
Not Applicable	0
Not Started	0

### Report Id

210 (5314)

### Question

Has the municipality completed or is in the process of completing amendments to its Zoning by-Law to conform with the latest Source Protection Plan (SPP) and their policies by the due date specified in the plan?

If No, please provide an explanation, in the comments field, of why the municipality has not completed their Zoning By-Law conformity exercise as per the requirements of CWA s. 42. Please include the action(s) being taken to address any non-conformity.

If there is a change in status from the previous reporting period, please provide an explanation in the comments field.

Agency:	Municipality of Oliver Paipoonge	Answer	Completed
Completed		Yes	Yes
Completed but Under Appeal		No	Yes
In Progress/Updates Underway		No	Yes
Needs updating to reflect amended SPP		No	Yes
Not Applicable		No	Yes
Not Started		No	Yes



# Source Water Protection Supplemental Form MECP - Source Protection - 2025

## Summary

Item	Count
Completed	1
Completed but Under Appeal	0
In Progress/Updates Underway	0
Needs updating to reflect amended SPP	0
Not Applicable	0
Not Started	0

**Report Id** 3000 (5349) **Question** State the CUMULATIVE number of source water protection signs installed on provincial highways in the following source protection regions/areas. If there are new signs installed in this reporting period (i.e. ANNUAL), please provide details in the comments field.

Agency	Answer	Completed
MTO - Signage	0	Yes

**Total:** 0

**Report Id** 300 (5287) **Question** State the CUMULATIVE number of source water protection signs installed on municipal roads in your area. If no signs were installed, please enter "0". If there are new signs installed in this reporting period (i.e. ANNUAL), please provide details in the comments field.

Agency	Answer	Completed
City of Thunder Bay	0	Yes
Municipality of Oliver Paipoonge	4	Yes



# Source Water Protection Supplemental Form MECP - Source Protection - 2025

**Report Id**      **Question**  
 300 (5287)      State the CUMULATIVE number of source water protection signs installed on municipal roads in your area. If no signs were installed, please enter "0". If there are new signs installed in this reporting period (i.e. ANNUAL), please provide details in the comments field.

<b>Agency</b>	<b>Answer</b>	<b>Completed</b>
<b>Total:</b>	4	

**Report Id**      **Question**  
 310 (5288)      State the CUMULATIVE number of source water protection signs installed at other locations (e.g. boat launches, trails, etc.), if applicable, in your area. If no signs were installed, please enter "0". If there are new signs installed in this reporting period (i.e. ANNUAL), please provide details in the comments field.

<b>Agency</b>	<b>Answer</b>	<b>Completed</b>
City of Thunder Bay	0	Yes
Municipality of Oliver Paipoonge	0	Yes
<b>Total:</b>	0	

**Report Id**      **Question**  
 400 (5289)      State the current CUMULATIVE number of on-site sewage systems that are assessed as significant drinking water threat (SDWT) activities and that are required to be inspected in accordance with the Ontario Building Code.

<b>Agency</b>	<b>Answer</b>	<b>Completed</b>
Municipality of Oliver Paipoonge	25	Yes
<b>Total:</b>	25	



# Source Water Protection Supplemental Form MECP - Source Protection - 2025

**Report Id**      **Question**  
410 (5291)      State the number of SDWT on-site sewage system inspections completed in this reporting period (i.e. ANNUAL).

Agency	Answer	Completed
Municipality of Oliver Paipoonge	0	Yes

**Total:**                0          

**Report Id**      **Question**  
420 (5292)      State the number of SDWT on-site sewage systems that are due (5-year inspection cycle) to be inspected in this reporting period that were not completed (i.e. ANNUAL).

Agency	Answer	Completed
Municipality of Oliver Paipoonge	0	Yes

**Total:**                0          

**Report Id**      **Question**  
430 (5293)      For those SDWT on-site sewage systems that are now out of compliance in this reporting period, please indicate why they were not inspected from among the reasons below. Also, please state, in the comments field, what actions will be taken to ensure future compliance.

Agency:	Municipality of Oliver Paipoonge	Answer	Completed
	1-Landowner refused entry, compliance order being sought	No	Yes
	2-Vulnerable area changed and on-site sewage system(s) no longer a threat activity	No	Yes
	3- Other, please specify in the comment box below	Yes	Yes



# Source Water Protection Supplemental Form MECP - Source Protection - 2025

## Summary

Item	Count
1-Landowner refused entry, compliance order being sought	0
2-Vulnerable area changed and on-site sewage system(s) no longer a threat activity	0
3- Other, please specify in the comment box below	1

**Report Id** 440 (5296) **Question** State the number of SDWT on-site sewage systems inspected in this reporting period (i.e. ANNUAL) that required remedial actions (i.e. minor and major maintenance or replacements).

Agency	Answer	Completed
Municipality of Oliver Paipoonge	0	Yes

**Total:** 0

**Report Id** 600 (5350) **Question** Provide successful examples, if any, for each of the following initiatives in your area (including from local residents, schools, and businesses) that occurred in this reporting period that the municipality wishes to highlight. In your comments, please include details for each of the selected topics. Please limit the descriptions provided (e.g., one example for each topic or more could be included when the municipality feels they are exceptional).

Agency:	City of Thunder Bay	Answer	Completed
Best Management Practices		No	Yes
Climate Change (e.g., data collection)		No	Yes



# Source Water Protection Supplemental Form MECP - Source Protection - 2025

Education and Outreach (in description include details, if available, on type and percentage of target population reached, outcome(s) achieved, etc.)	No	Yes
Great Lakes	No	Yes
Incentives (in description include details, if available, on outcome(s) achieved, how widely available was the incentive, etc.)	No	Yes
Other policies (i.e., strategic action, etc.)	No	Yes
Pilot Programs	No	Yes
Research	No	Yes
Specify Action (e.g., road salt management, municipal by-laws, legislative or regulatory amendments, mapping, review of fuel codes, new airport facility design standards to manage runoff of chemicals from de-icing of aircraft, instrumentation, etc.)	No	Yes
Spill prevention/spill	No	Yes
Stewardship Program	No	Yes
Transport pathways	No	Yes
Water quantity	No	Yes
<b>Agency: Municipality of Oliver Paipoonge</b>	<b>Answer</b>	<b>Completed</b>
Best Management Practices	No	Yes
Climate Change (e.g., data collection)	No	Yes
Education and Outreach (in description include details, if available, on type and percentage of target population reached, outcome(s) achieved, etc.)	No	Yes
Great Lakes	No	Yes
Incentives (in description include details, if available, on outcome(s) achieved, how widely available was the incentive, etc.)	No	Yes
Other policies (i.e., strategic action, etc.)	No	Yes
Pilot Programs	No	Yes
Research	No	Yes



# Source Water Protection Supplemental Form

## MECP - Source Protection - 2025

Specify Action (e.g., road salt management, municipal by-laws, legislative or regulatory amendments, mapping, review of fuel codes, new airport facility design standards to manage runoff of chemicals from de-icing of aircraft, instrumentation, etc.)	No	Yes
Spill prevention/spill	No	Yes
Stewardship Program	No	Yes
Transport pathways	No	Yes
Water quantity	No	Yes

### Summary

Item	Count
Best Management Practices	0
Climate Change (e.g., data collection)	0
Education and Outreach (in description include details, if available, on type and percentage of target population reached, outcome(s) achieved, etc.)	0
Great Lakes	0
Incentives (in description include details, if available, on outcome(s) achieved, how widely available was the incentive, etc.)	0
Other policies (i.e., strategic action, etc.)	0
Pilot Programs	0
Research	0
Specify Action (e.g., road salt management, municipal by-laws, legislative or regulatory amendments, mapping, review of fuel codes, new airport facility design standards to manage runoff of chemicals from de-icing of aircraft, instrumentation, etc.)	0
Spill prevention/spill	0
Stewardship Program	0
Transport pathways	0
Water quantity	0



# Source Water Protection Supplemental Form

## MECP - Source Protection - 2025

**Report Id Question**

5298 (500) Complete the information below regarding environmental monitoring of drinking water issues identified in accordance with the Technical Rules within the municipality. Begin by selecting the drinking water system, the specific well or intake, the drinking water issue, the delineation status, and the observation of the concentration.

**Completed:** Yes

Municipality	Drinking Water System	Well/Intake	Issue	ICA Delineated	Observations
Municipality of Oliver Paipoonge	Rosslyn Village Subdivision Well Supply	Well 1 (South)	-- No Issue --	No	-- No Observation --
Municipality of Oliver Paipoonge	Rosslyn Village Subdivision Well Supply	Well 2 (North)	-- No Issue --	No	Not Enough Data

**Report Id Question**

5319(1600) Complete the table below with the count data for each significant drinking water threat activity/local threat activity/condition being engaged in (i.e., enumerated as 'existing' significant threats) at the time of source protection plan approval or approval of amendments that include new/changing protection zones.

The running tally consists of the formula: A+B-C-D where:

A = Original estimate of significant drinking water threats engaged in/enumerated when source protection plan approved or approval of amendments that include new/changing protection zones

B = Additional significant drinking water threats identified after first source protection plan approved as a result of field verification (i.e., not part of original estimate of significant drinking water threat)

C = Significant drinking water threats included in enumeration estimates at time of plan approval but subsequently determined through field verification that: (i) it was not actually engaged in at a particular location after all OR (ii) it was no longer engaged in (e.g., land may still have an agricultural operation but owner no longer applying pesticides for their own reasons)

D = Significant drinking water threats addressed because policy is implemented (It is understood that multiple policies/policy tools may address a single threat on the landscape. If any one policy is implemented and directed at that single threat it is considered addressed.)

In the comments field, summarize any remaining significant threats needing to be addressed for each source protection authority and what actions will be taken to eliminate those threats. If all threats have been addressed for each source protection authority(ies) write "All known significant threats have been addressed" in the comments field.



# Source Water Protection Supplemental Form MECP - Source Protection - 2025

**Municipality:** Municipality of Oliver Paipoonge

**Completed:** Yes

Threat Id	Threat	A	B	C	D
1	The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	0	0	0	0
2	The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	25	0	0	25
3	The application of agricultural source material to land.	1	0	1	0
4	The storage of agricultural source material.	4	0	4	0
5	The management of agricultural source material.	0	0	0	0
6	The application of non-agricultural source material to land.	0	0	0	0
7	The handling and storage of non-agricultural source material.	0	0	0	0
8	The application of commercial fertilizer to land.	0	0	0	0
9	The handling and storage of commercial fertilizer.	0	0	0	0
10	The application of pesticide to land.	0	0	0	0
11	The handling and storage of pesticide.	0	0	0	0
12	The application of road salt.	0	0	0	0
13	The handling and storage of road salt.	0	0	0	0
14	The storage of snow.	0	0	0	0
15	The handling and storage of fuel.	0	0	0	0
16	The handling and storage of a dense non-aqueous phase liquid.	0	0	0	0
17	The handling and storage of an organic solvent.	0	0	0	0
18	The management of runoff that contains chemicals used in the de-icing of aircraft.	0	0	0	0
19	Water taking from an aquifer without returning the water to the same aquifer or surface water body	0	0	0	0
20	Reducing recharge of an aquifer	0	0	0	0
21	The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	2	0	2	0
22	The establishment and operation of a liquid hydrocarbon pipeline	0	0	0	0
1000	Water conditioning salts from water softeners	0	0	0	0



# Source Water Protection Supplemental Form MECP - Source Protection - 2025

**Municipality:** Municipality of Oliver Paipoonge

Threat Id	Threat	Completed:			
		A	B	C	D
1001	Transportation of specified substances along corridors	0	0	0	0
1002	Spill of Tritium from Nuclear Generating Station	0	0	0	0
1003	Handling storage of fuel	0	0	0	0
1004	Transportation, storage and handling of diesel/gasoline	0	0	0	0
1005	Transportation of Agricultural and Non-Agricultural Source Materials	0	0	0	0
1006	International Shipping Channel within IPZ2	0	0	0	0
1007	Transportation of hazardous substances along transportation corridors	0	0	0	0
1008	Transportation or Storage and Handling of Fuel in an Event Based Area	0	0	0	0
1009	Waterfowl	0	0	0	0
1010	Local condition	0	0	0	0

**Comment:**

**Totals:**      32      0      7      25

**MECP Calc (C+D)/(A+B):**      100 %



# Source Water Protection Supplemental Form MECP - Source Protection - 2025

## Summary

Threat Id	Threat	A	B	C	D
1	The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	0	0	0	0
2	The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	25	0	0	25
3	The application of agricultural source material to land.	1	0	1	0
4	The storage of agricultural source material.	4	0	4	0
5	The management of agricultural source material.	0	0	0	0
6	The application of non-agricultural source material to land.	0	0	0	0
7	The handling and storage of non-agricultural source material.	0	0	0	0
8	The application of commercial fertilizer to land.	0	0	0	0
9	The handling and storage of commercial fertilizer.	0	0	0	0
10	The application of pesticide to land.	0	0	0	0
11	The handling and storage of pesticide.	0	0	0	0
12	The application of road salt.	0	0	0	0
13	The handling and storage of road salt.	0	0	0	0
14	The storage of snow.	0	0	0	0
15	The handling and storage of fuel.	0	0	0	0
16	The handling and storage of a dense non-aqueous phase liquid.	0	0	0	0
17	The handling and storage of an organic solvent.	0	0	0	0
18	The management of runoff that contains chemicals used in the de-icing of aircraft.	0	0	0	0
19	Water taking from an aquifer without returning the water to the same aquifer or surface water body	0	0	0	0
20	Reducing recharge of an aquifer	0	0	0	0
21	The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	2	0	2	0
22	The establishment and operation of a liquid hydrocarbon pipeline	0	0	0	0
1000	Water conditioning salts from water softeners	0	0	0	0



# Source Water Protection Supplemental Form

## MECP - Source Protection - 2025

1001	Transportation of specified substances along corridors	0	0	0	0
1002	Spill of Tritium from Nuclear Generating Station	0	0	0	0
1003	Handling storage of fuel	0	0	0	0
1004	Transportation, storage and handling of diesel/gasoline	0	0	0	0
1005	Transportation of Agricultural and Non-Agricultural Source Materials	0	0	0	0
1006	International Shipping Channel within IPZ2	0	0	0	0
1007	Transportation of hazardous substances along transportation corridors	0	0	0	0
1008	Transportation or Storage and Handling of Fuel in an Event Based Area	0	0	0	0
1009	Waterfowl	0	0	0	0
1010	Local condition	0	0	0	0
<b>Totals:</b>		<u>32</u>	<u>0</u>	<u>7</u>	<u>25</u>

***Program Update***

<b>MEETING DATE</b>	April 29, 2026
<b>STAFF NAME</b>	Melissa Hughson
<b>POSITION</b>	Lakehead Source Water Protection Program Manager

Source Protection Committee Chair Vacancy

Source Protection staff were notified at the end of March by MECP staff that MECP has missed the 6-month window to reappoint Source Protection Committee (SPC) Chairs. As such, they (MECP) are required to go through the formal process of posting the positions. MECP staff have advised that Source Protection Program Managers will receive notification once the SPC Chair positions are posted and open for applications.

As a reminder, Lucy Kloosterhuis’s term as Chair of the SPC expired on August 20, 2025. The Chair of the SPC can only be appointed or re-appointed by the Minister of Environment, Conservation and Parks. As per O. Reg. 288/07, section 12(2), in the absence of a Chair, the SPC shall appoint an Acting Chair who will assume all powers and duties of the Chair. At the beginning of the March 12, 2026 SPC meeting, Bernie Kamphof (Agricultural Representative on the Lakehead SPC) was appointed by the SPC as Acting Chair. Mr. Kamphof will remain as Acting Chair until such a time as the Minister appoints a Chair, or the end of the SPC members’ term.

Transfer Payment Agreement

Staff time required to complete all drinking water source protection program work falls within the current drinking water source protection funding agreement with MECP, (DWSP 2024-2027 Lakehead Region). Future budget requests will consider future required funding.

Section 36 Update

Lakehead source protection staff are working through a comprehensive update to the Lakehead Assessment Report (AR) and the Source Protection Plan (SPP) to ensure that the documents align with the 2021 Technical Rules. The scope of work for the Section 36 update has evolved from what was originally negotiated within the 2024-2027 funding agreement with MECP. Additional resources and funding are being requested to support the additional Section 36 work within this funding agreement with the MECP.

Regional Consolidation of Conservation Authorities

The regional consolidation of conservation authorities will require consequential amendments to the *Clean Water Act*.