



Essex Region Source Protection Authority

Meeting Agenda

Meeting Date: Thursday, April 11, 2024

Time: 6:00pm

Location and Details: Council Chambers, Essex Civic Centre

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10. New Business

11. Other Business

A. Next Meeting

The next meeting of the Essex Region Source Protection Authority will be held at the Call of the Chair.

12. Adjournment



Tim Byrne
CAO/Secretary-Treasurer



Essex Region Source Protection Authority

Meeting Minutes

Meeting Date: Thursday, December 14, 2023

Time: 6:00 pm

Location and Details: Council Chamber, Essex Civic Centre

Attendance

Members Present:

Jim Morrison (Chair)	Michael Akpata
Sue Desjarlais (Vice-Chair)	Anthony Abraham
Molly Allaire	Larry Verbeke
Peter Courtney	Dayne Malloch
Jason Matyi	Joe Bachetti
Thomas Neufeld	Angelo Marignani
Tracey Bailey	Kieran McKenzie
Ryan McNamara	

Absent: Kim DeYong

Regrets: Katie McGuire-Blais Tania Jobin
Dayne Malloch Mark McKenzie

Staff Present

Tim Byrne, CAO/Secretary-Treasurer
Nicole Kupnicki, Corporate Services, Human Resources Manager/EA
Kevin Money, Director Conservation Services
Katie Stammler, Water Quality Scientist/SWP Project Manager

Others Tom Fuerth, Chair Source Water Protection Committee

1. Call to Order

Good evening and welcome to the December 14, 2023, meeting of the Essex Region Source Protection Authority. I will call the meeting to order and confirm that all members are present.

2. Land Acknowledgement

I'd like to begin by acknowledging that this land is the traditional territory of the Three Fires Confederacy of First Nations, comprised of the Ojibway, the Odawa, and the Potawatomi Peoples.

We value the significant historical and contemporary contributions of local and regional First Nations and all of the Original Peoples of Turtle Island - North America who have been living and working on the land from time immemorial.

3. **Declarations of Pecuniary Interest**

There were no declarations of pecuniary interest.

4. **Approval of Agenda**

ERSPA 09/23

Moved by Larry Verbeke

Seconded by Angelo Marignani

THAT the agenda for the December 14, 2023 Meeting of the Essex Region Source Protection Authority be approved. **Carried**

5. **Adoption of Minutes**

A. Essex Region Source Protection Authority

ERSPA 10/23

Moved by Kieran McKenzie

Seconded by Ryan McNamara

THAT the minutes for the April 13, 2023 Meeting of the Essex Region Source Protection Authority (ERSPA) be approved and the recommendations therein be adopted as distributed. **Carried**

B. Essex Region Source Protection Committee

ERSPA 11/23

Moved by Tracey Bailey

Seconded by Angelo Marignani

THAT the minutes for the March 8, 2023 meeting of the Essex Region Source Protection Committee and the recommendations therein be approved as distributed.

6. **Delegations**

None

7. **Reports for Approval**

A. SPA 03/23 s.36 Amendment Process

ERSPA 12/23

Moved by Molly Alliare

Seconded by Tracey Bailey

THAT SPA Report 03/23 be received for information.

B. SPA 04/23 s.36 Amendments – Policies related to agricultural activities

ERSPA 13/23 Moved by Angelo Marignani
Seconded by Peter Courtney
THAT the SPA endorse the policy amendments as described in SPA Report 03/23 to be submitted to the MECP for early engagement

C. SPA 05/23 s.36 Amendments – Waste Disposal Policies

ERSPA 14/23 Moved by Larry Verbeke
Seconded by Sue Desjarlais
THAT the SPA endorse the policy amendments as described in SPA Report 05/23 to be submitted to the MECP for early engagement

D. SPA 06/23 s.36 Amendments – Other Policies

ERSPA 15/23 Moved by Peter Courtney
Seconded by Tracey Bailey
THAT the SPA endorse the policy amendments as described in SPA Report 06/23 to be submitted to the MECP for early engagement.

E. SPA 07/23 s.36 Amendment – Microcystin as a drinking water issue

ERSPA 16/23 Moved by Ryan McNamara
Seconded by Jason Matyi
THAT the SPA endorse the technical report on the assessment of microcystin as a drinking water issue and the policy amendments as described in SPA Report 07/23 to be submitted to the MECP for early engagement.

8. Committee of the Whole – In-Camera

A. Confidential Matters related to Personnel

ERSPA 17/23 Moved by Angelo Marignani
Seconded by Peter Courtney
THAT the meeting move from the Essex Region Source Protection Authority to the Committee of the Whole related to personnel matters. **Carried**

B. Reconvene in Open Session

ERSPA 18/23 Moved by Michael Akpata
Seconded by Larry Verbeke

THAT the actions of the Essex Region Source Protection Authority, Committee of the Whole, be endorsed. **Carried**

9. Correspondence

None

10. New Business

None

11. Other Business

A. Next Meeting

The next meeting of the ERCA Board of Directors will be held on at the Call of the Chair

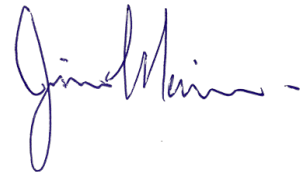
12. Adjournment

ERSPA 19/23

Moved by Molly Alliare

Seconded by Peter Courtney

THAT the December 14, 2023 meeting of the Essex Region Source Protection Authority be adjourned. **Carried**



Jim Morrison
Chair



Tim Byrne
CAO/Secretary-Treasurer

1. **Call to Order**

Good evening and welcome to the September 13th, 2023 meeting of the Essex Region Source Protection Committee.

We have quorum with 7 members present, and 3 members present by Zoom. I will call the meeting to order at this time, 4:10pm.

2. **Land Acknowledgement**

We would like to begin by acknowledging that this land is the traditional territory of the Three Fires Confederacy of First Nations, comprised of the Ojibway, the Odawa, and the Potawatomi Peoples.

We acknowledge the harms and mistakes of our past as we continue to move forward in the spirit of reconciliation.

As we do at our meetings, I'll begin with a statement of gratitude and a statement of hope. I'm grateful for Lisa and Amy who are incredible supports. To Lisa for organizing our meetings and to Amy for keeping our Water Quality Program going single handedly. Thank you both for all you do. I am also grateful for everyone gathered around this table, so many of you here in person, thank you. As always, I'm hopeful that we have a good and productive meeting.

3. **Chair's Welcome**

Katie and I met with Caldwell First Nation representatives in August regarding an introduction to the Source Water Program and the source water portion of the Clean Water Act and about their opportunity to participate with representation on our committee. We welcome Jenna Maidment and Michelle McCormack of Caldwell First Nation to our meeting tonight. They have not yet been formally appointed to this committee, so they will not be able to vote, but are welcome to participate and ask questions.

The Committee Chairs from across the province met virtually on June 28th. This was a bit of an orientation for all of the newly appointed chairs and there was also discussion about the future and where we go from here.

Saira Bozin Illisinovic is here from the Ministry of the Environment, Conservation and Parks.

Resolution SPC 15/23 Moved by Cynthia Ouellet
Seconded by Ron Barrette

Carried

7. Correspondence

None.

8. MECP Liaison's Update

Saira Bozin Illisinovic has been with the Ministry long term, working mostly as a funding coordinator, but is now Senior Drinking Water Program Advisor. The Ministry is moving (perhaps temporarily) away from having dedicated, or assigned, liaison officers for each of the source protection areas. The purpose of this is to shift priorities toward the efficient and timely review and approval of the many source protection plan amendments that are going through the Ministry. We are advocating for a return to in-person meetings of Committee Chairs as it has been at least 4 years, since pre-Covid times that we have had face-to-face meetings.

9. Presentations

Identifying microbial mechanisms of the break down of microcystin-LR in Lake Erie beach sand on Pelee Island using genetic techniques

- Presented by Chelsea Salter, MSc.

10. Reports for Approval

A. Report SPC 06/23 – S.36 Update – Evaluating Microcystin as a Drinking Water Issue for all Drinking Water Intakes in the Essex Region and ERCA Water Quality Program Update

THAT microcystin-LR be identified as an issue under the Clean Water Act pursuant to Rule 115.1 for the following drinking water intakes in the Essex Region; and further,

THAT the technical work be included in the updated Assessment Report as part of the forthcoming amendment to the Source Protection Plan, under Section 36 of the Clean Water Act; and further,

THAT the SPC approve the amended policies to be submitted to the MECP for early engagement

Resolution SPC 16/23 Moved by Tim Mousseau
Seconded by Ron Barrette

Carried

B. Report SPC 07/23 – S.36 Update – Dense non-aqueous phase liquids (DNAPLS) –
new policies

THAT the SPC approve the attached amended policies to be submitted to the
MECP for early engagement

Resolution SPC 17/23 Moved by Antonietta Giofu
Seconded by Bill Dukes

Carried

C. Report SPC 08/23 – S.36 Update – Combined Sewer Overflow/Sanitary Sewer
Overflow Policy Amendments for Prescribed Instruments

THAT the SPC approve the attached amended policies to be submitted to the
MECP for early engagement

Resolution SPC 18/23 Moved by Cynthia Ouellet
Seconded by Chris Snip

Carried

11. New Business

None.

12. Other Business

None.

13. Adjournment

Resolution SPC 19/23 Moved by Tim Mousseau
Seconded by Ron Barrette

That the September 13, 2023 meeting of the Essex Region Source Protection Committee be adjourned at 5:54 pm. **Carried**

Next Meeting

The next meeting of the Essex Region Source Protection Committee will tentatively be held on November 8, 2023 starting at 4:00 pm at the Essex Civic Centre, Room TBD.



Tom Fuerth
Chair



Katie Stammler
Water Quality Scientist/
Project Manager Source Water Protection

We have quorum with 9 members present, and 1 member present by Zoom. I will call the meeting to order at this time, 4:05 pm.

2. Land Acknowledgement

We would like to begin by acknowledging that this land is the traditional territory of the Three Fires Confederacy of First Nations, comprised of the Ojibway, the Odawa, and the Potawatomi Peoples. We recognize the people's long-standing relationship with the land in this area.

As always, we like to start with a statement of gratitude and hope so today I'm very grateful to Jackie and DRCC for this new owl camera system. I'm happy that you're all here and hope that we can figure out how to write policies for salt and snow storage.

3. Chair's Welcome

At a meeting of the program managers, the province advised that instead of us having to apply annually for funding, we will now have a 3-year funding window. That is good news. The province has also amended our agreement for this fiscal year and given us more money to study blue/green algae.

The other good news in terms of funding is that Source Water is one of the 4 core mandate programs left after Bill 23 created changes in the Conservation Authorities Act. The Conservation Authority is now able to levy its members for our program.

Katie attended a program managers' meeting virtually in Peterborough. One of the original chairs (Max Christie of the Quinte Region) retired. The issue that he very actively promoted was protection for source water systems that weren't in source water areas, but which did serve a community. Most of northern Ontario isn't covered by source water protection plans. He was able to get the province to develop a best practices document. We wish him well.

There is an SPA meeting tomorrow night. They are going to review about half of our update package as we have it at this point.

We have 1 ½ vacancies on our committee. 1 from Lakeshore. Albert Dionne retired. And there is one member who has not participated so he may need to be replaced.

We welcome Tom Dufour, Amy Weinz and Warren Higgins.

4. Declarations of Conflict of Interest

There were no declarations of conflict of interest.

5. Approval of Agenda

Resolution SPC 20/23 Moved by John Barnett
Seconded by Bill Dukes

That the agenda for the December 13, 2023 meeting of the Essex Region Source Protection Committee be approved.

Carried

6. Adoption of Minutes

A. Essex Region Source Protection Committee

Resolution SPC 21/23 Moved by Tim Mousseau
Seconded by Matthew Merrett

That the minutes for the September 13, 2023 meeting of the Essex Region Source Protection Committee (ERSPC) be approved and the recommendations therein be adopted as distributed.

Carried

B. Essex Region Source Protection Authority

None.

7. Correspondence

None.

8. MECP Liaison's Update

None.

9. Presentations

None.

10. Reports for Approval

A. Report SPC 09/23 – S.36 Update – Re-delineation of Event Based Area

THAT the SPC approve the amended Event Based Area as described in Report 09/23 to be submitted to the MECP for early engagement

What is in the new legislation is that the implementation of Source Protection Policies can be levied by the Conservation Authority. Those policies would be the policies that name the Conservation Authority as the implementing body. Those could be our education and outreach policies. We didn't go that way this year with our budget, but it's something that we might need to explore. Our education and outreach policies are written in a way that say they are dependent on having the funding to do them. We've been fortunate in the past to have had grant funds that have supported this.

What the Conservation Authority had to do was to catalogue all of the activities that we do and put them into categories. So we have Category 1, which are those mandatory, leviable, services. Category 2 is anything we do on behalf of a municipality at their request by an MOU (Memorandum of Understanding), that includes risk management. Category 2 activities are the municipality's responsibility, but they pay us to do them. Category 3 is everything else that we do; our education programs, the events that we hold, tree planting, restoration, agricultural stewardship, any of the additional water quality research type projects that we do, all fall under Category 3. We have to obtain external funding to undertake Category 3 items or we have to get the municipalities to sign an additional MOU saying that they will support those activities.

One thing I want to address is agricultural stewardship, which is one way that we implement our education and outreach policy for reducing nutrients that have an impact on harmful algal blooms. In the past, we've been able to implement that education and outreach policy through external grants. We don't currently have those external grants. The budget for Category 3 activities, including agricultural stewardship, went to all regional municipalities, and the rural, lower tier municipalities all approved it as is, but the City of Windsor picked two things out of the budget, one of which was agricultural stewardship. And the reason was that we hold to the proportional system, so the City was being asked to support agricultural stewardship at 48 percent, and the City maintains that they don't have 48 percent of the agricultural lands in the County and they were only willing to support agricultural stewardship at 5 percent. The result of that vote was the immediate cessation of our agricultural stewardship program and the immediate layoff of our agricultural technician. I think that agricultural stewardship is extremely important, and we are committed to continuing to work with the agricultural community in some way. I wanted to make this committee aware of this situation and of the fact that, through the perfectly imperfect storm where we lost our grant funding, the changes to the Conservation Authorities Act and the decision by the City, all resulted in the loss of this important work that we do, which does have an impact on our ability to deliver that particular policy in the Source Protection Plan. Tomorrow night, the Source Protection Authority will be receiving about half of our package of updated policies, including the microcystin policy and a reminder that they are the implementers of that policy.

13. Adjournment

Resolution SPC 25/23 Moved by Tim Mousseau
Seconded by Matthew Merrett

That the December 13, 2023 meeting of the Essex Region Source Protection Committee
be adjourned at 6:05 pm. **Carried**

Next Meeting

The next meeting of the Essex Region Source Protection Committee will tentatively be held on February 14, 2024 starting at 4:00 pm at the Essex Civic Centre, Room TBD.



Tom Fuerth
Chair



Katie Stammler
Water Quality Scientist/
Project Manager Source Water Protection

6. Adoption of Minutes

A. Essex Region Source Protection Committee

Resolution SPC 02/24 Moved by Chris Snip
Seconded by Jim Drummond

That the minutes for the December 13, 2023 meeting of the Essex Region Source Protection Committee (ERSPC) be approved and the recommendations therein be adopted as distributed.

Carried

B. Essex Region Source Protection Authority

None.

7. Correspondence

None.

8. MECP Liaison's Update

None.

9. Presentations

None.

10. Reports for Approval

A. Report SPC 01/24 – S.36 Update – Draft Road Salt Policies

THAT the SPC approve the attached amended policies, with the exception of the monitoring policy and further;

THAT a new draft of the monitoring policy be brought to the committee at the next meeting

Resolution SPC 03/24 Moved by Cynthia Ouellet
Seconded by Jim Drummond

Carried

B. Report SPC 02/24 – S.36 Update – Draft Snow Storage Policies

THAT the SPC approve the attached amended policies to be submitted to the MECP for early engagement

Resolution SPC 04/24 Moved by Matthew Merrett
Seconded by Chris Snip

Carried

11. New Business

None.

12. Other Business

Katie discussed an application that is she working on. The federal government, in conjunction with the US federal government, made a \$420,000,000 commitment for the Great Lakes over 10 years. It took some time to determine how that money was to be distributed. Now settled, the funds are to be allocated through multiple different streams. There is funding to address toxic algae and nutrients. We put in a letter of intent for \$2,000,000/year for 4 years for the implementation of Best Management Practices and improved monitoring including bringing back some monitoring stations and staff. Kevin Money, our Director of Conservation Areas, will be putting in an application for \$6,000,000 to do some major restoration projects out at Hillman Marsh. There are also 2 applications going in for the Detroit River area of concern, one for their governance and one for some habitat restoration projects. Finally, I will be putting in an application for funding under the "release of harmful chemicals" stream. We don't know much about per-and polyfluoroalkyl substances (PFAS) although our American counterparts discuss PFAS frequently. These are the forever chemicals. These pertain to anything non-stick, fire retardants and many, many others. The US Environmental Protection Agency says there are more than 4700 of these compounds, but some scientists speculate that there may be more than 15,000 of them. Currently, the US EPA can only identify 40 of those thousands of chemical compounds through analysis. The US is light years ahead of us on this issue. They have a department in the Michigan government specifically for this issue, and they have labs at universities dedicated to the study of PFAs. There are more than 2000 sampling locations in Michigan alone, and they've identified 300 contaminated sites through that monitoring. We are way behind. There has been very little PFAS monitoring at all in Ontario. ERCA, in partnership with 4 or 5 other Conservation Authorities with letters of support from some municipalities, has proposed to take samples for PFAS analysis in our existing monitoring areas. It will be a matter of filling an extra bottle to send off for analysis. Water treatment operators will do the same when they conduct their own sampling. We would like to coordinate

sampling across southwestern Ontario from Essex County to Maitland Valley. Our hope is to obtain this dataset to tell us where PFAS are or are not in the environment.

13. **Adjournment**

Resolution SPC 05/23 Moved by Tim Mousseau
Seconded by John Barnett

That the February 14, 2024 meeting of the Essex Region Source Protection Committee be adjourned at 5:14 pm.

Carried

1. **Next Meeting**

The next meeting of the Essex Region Source Protection Committee will tentatively be held on March 13, 2024 starting at 4:00 pm at the Essex Civic Centre, Room TBD.



Tom Fuerth
Chair



Katie Stammer
Water Quality Scientist/
Project Manager Source Water Protection



Essex Region Source Protection Authority

Report 01/24

From: Katie Stammler, Project Manager, Source Water Protection

Date: Monday, March 11, 2024

Subject: 2023 Essex Region Source Protection Authority and Risk Management Services Annual Progress Reports

Recommendation: THAT the 2023 Essex Region Source Protection Authority Annual Progress Report be submitted to the MECP on or before May 1, 2024, pending suggested changes and additions made by the SPC and further;

THAT the 2023 Risk Management Services Annual Progress Report be received for information.

Purpose

To provide the SPA with a draft final version of the 2023 Essex Region Source Protection Authority Annual Progress Report for endorsement, and the Essex Region Source Protection Area 2023 Risk Management Official Annual Progress Report to receive for information.

Summary

- The Essex Region Source Protection Authority is required to submit an Annual Progress Report to the MECP using a prescribed template by May 1, 2024
- Pending comments and additions by the SPC, the draft Annual Progress Report will be finalized and submitted to the MECP on or before May 1, 2024.
- A supplemental report on implementation of Part IV policies is also provided and will be circulated to municipalities and made available online.

Discussion

The Source Protection Authority is required to submit an annual progress report to the MECP and the SPC under S.46 of the Clean Water Act. The reports are required to describe the measures taken to implement the Source Protection Plan (SPP), the results of any monitoring program, the extent to which the objectives in the SPP are being achieved, and other information required in the Regulations. The Director of the Source Protection Branch of the

MECP provided mandatory templates for the Annual Progress Report under S.52(5) of Regulation 287/07. The supplementary data will be submitted to the MECP via an electronic database.

The information used to prepare the Annual Progress Report comes from Implementing Bodies, who are required by Monitoring Policies in the SPP to prepare and submit a progress report to the SPA by February 1 of each year. All of the Implementing Bodies provided these reports on or before February 1, 2024.

ERSPA staff have reviewed the information submitted by Implementing Bodies and prepared the attached Annual Progress Report. As required by the *Clean Water Act* and its Regulations, we are required to provide the SPC with 30 days for comment. The SPC received the draft Annual Progress Report on March 13, 2024, at their last meeting.

The 2023 Risk Management Official Annual Progress Report is a detailed accounting of activities undertaken by the Risk Management Official on behalf of municipalities in the Essex Region Source Protection Area and the southern part of the Thames-Sydenham and Region Source Protection Region. The report will be circulated to municipalities and made available online on May 1, 2024.

Annual Progress Report highlights

Of the 44 policies in the Essex Region SPP that address SDWTs, 38 (86%) are now fully implemented. Four policies (9%) are considered in progress and the remaining two policies have been reviewed and it has been determined that no further action is required. There is no change in implementation status since 2022. Importantly, all policies are in the process of being revised.

Municipalities are required to include considerations for Source Water Protection in their next Official Plan update. The County of Essex, Town of Essex, Town of LaSalle, Town of Tecumseh and Town of Kingsville have completed their Official Plan conformity exercises; only the Town of Essex has completed their zoning by-law conformity exercise. The County of Essex as an upper tier municipality does not require ZBL amendments.

The remaining municipalities (6 of 11) have been reporting being in the process of amending their Official Plan to conform with the policies in the Essex Region SPP for the last several years. ERSPA staff have had the opportunity to review some draft OP revisions, in some cases multiple times. With the advent of Bill 23 and delay in the release of the 2023 Provincial Direction and Provincial Policy Statement, OP revisions are likely to be further delayed and it is unknown when they will be complete. Importantly, there has been limited progress since the Essex Region SPP came into effect in 2014. For these reasons, the Committee unanimously choose to lower the score on Municipal Progress in 2022 to 'L – Limited Progress' and has

opted to retain this score in 2023. The Committee encourages municipalities to incorporate the necessary information to bring their Official Plans into conformity with the Essex Region SPP as soon as possible. This may be possible through an Official Plan Amendment. The Committee has also requested that ERSPA staff and the SPC Chair attend council meetings as a delegation to encourage this activity.

Risk Management Plans have now been established for all the 96 identified existing significant drinking water threats in the Essex Region SPA. Since the SPP took effect, 21 RMPs have been established through the s. 59 process for new (future) threats. Further details can be found in the attached 2023 Risk Management Official Annual Progress Report.

Harmful Algal Blooms (HABs) continue to be an annual occurrence. The Committee reviewed a new and updated analysis of the available data and has now identified microcystin as a drinking water issue for all drinking water intakes in the Essex Region. While the policies in SPP related to HABs are non-legally binding, ERCA is committed to implementing relevant actions to reduce phosphorous in our region, and it is essential that we continue to highlight this international issue as a concern for our drinking water intakes.

ERSPA staff have been working with the SPC on a comprehensive review of the SPP and its policies. It is anticipated that these documents will be available for consultation in Fall 2024.



Katie Stammler, PhD., Source Water Protection
Program Manager



Tom Fuerth, P.Eng, Chair, Essex Region Source
Protection Committee

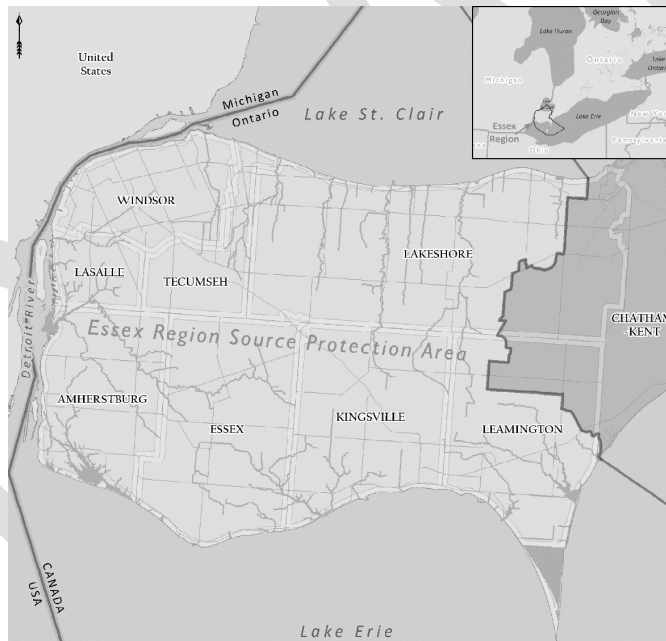
Attachments:

- Draft 2023 Essex Region Source Protection Authority Annual Progress Report
- 2023 Risk Management Official Annual Progress Report

2023 ERPA Source Protection Annual Progress Report | 1 May 2024

I. Introduction

This annual progress report outlines the progress made toward implementing the policies in the Essex Region Source Protection Plan (SPP) for the Essex Region Source Protection Area (ERSPA), as required by the *Clean Water Act* and its Regulations. Our policies work by either eliminating or managing activities that could be considered a threat to our sources of drinking water and are based on the foundational knowledge that the actions we take on land have an impact on our local waterways and ultimately our sources of drinking water. Following an extensive process that included broad public input, the Essex Region SPP came into effect on October 1, 2015. This report highlights progress made toward implementation up to December 31, 2023, and highlights the actions taken from January 1 to December 31, 2023.



Scoring for certain elements of the Annual Progress Reports is based on the following:

Progressing Well/On Target (P) – Most of the policies have been implemented &/or are progressing.

Satisfactory (S) – Some of the policies have been implemented and/or are progressing.

Limited progress (L) – A few of policies have been implemented and/or are progressing.

II. A message from your local Source Protection Committee

P – Progressing Well

The Essex Region Source Protection Committee has reviewed this report and once again it is our unanimous opinion that implementation of the policies in the Essex Region Source Protection Plan is progressing well.

The one area that seems to have reached a stalemate is the section that requires the action by the municipalities. The Committee is aware of the challenges that continue to delay the completion of the required review of Official Plan (OP) and Zoning By-Law documents that govern development. Various changes by the province to the governing laws by which the municipalities must conform have exacerbated their ability to produce and approve new OP and Zoning by-laws as quickly as we might like. The Committee suggests that, rather than waiting for the full review of existing documents to be completed, they see their way to adopt amendments that will be included in the final production of their fully updated documents. We are given to understand that the required amendment that would accomplish conformity with the Source Protection Plan is not onerous and has been adopted in new documents that have been finalized by other municipalities. The Committee also encourages SPA staff to offer their suggestions in this regard. Those municipalities that have not completed the required review exercise should be able to come into compliance with the requirement to incorporate Source Water Protection into their planning documents with this method. The Committee also feels that the Chair and SPA staff should appear before each of the elected council's members to put forward this suggestion.

Although the blue-green algae issue made it through another year at a somewhat lower severity than we have witnessed in previous years, the Committee is of the opinion that Source Protection staff should continue to monitor the ingredients that contribute to the annual occurrence of Harmful Algal Blooms. The Committee has been made aware that funding for some programs that support work on the ground (monitoring and stewardship) was discontinued in 2023, and that consistent and uninterrupted data and relationships are being lost. If we are not able to track conditions in the local environment our hands will be tied in making informed decisions regarding the efficacy of our Source Protection Program. Further, stewardship activities provide frontline interactions to encourage uptake of activities that will reduce nutrient loss to the environment. We encourage various funding sources to reconsider abandoning these programs.

III. Our Watershed

The Essex Region Source Protection Area (ERSPA) is approximately 1681 km² and coincides with the watershed boundaries of the Essex Region Conservation Authority (ERCA). The ERSPA is comprised of 28 smaller sub-watersheds, flowing northward into Lake St. Clair, westward into the Detroit River, or southward into Lake Erie. The area predominantly consists of a flat clay plain with the exception of some sandy areas, primarily in the southern portion of the Region. The predominant land use in the watershed is agriculture, due to the region's excellent farmland and growing conditions.

Municipal drinking water supplies in the Essex Region Watershed are drawn from surface water intakes in the Great Lakes system - Lake Erie, Lake St. Clair and the Detroit River. There are seven municipal Water Treatment Plants (WTPs) in the ERSPA, and one WTP outside of the ERSPA in Wheatley serving part of the Municipality of Leamington. Stoney Point and Lakeshore (Belle River) WTPs have their water intakes located in Lake St. Clair; the A. H. Weeks (Windsor) and Amherstburg WTPs have their intakes in the Detroit River; and the Harrow-Colchester South, Union, Pelee Island West Shore and the Wheatley WTPs have their intakes in Lake Erie. These municipal WTPs serve over 95 percent of the population in the ERSPA. The remaining population, less than five percent, depends on groundwater or hauled water.

In the ERSPA, the handling and storage of large volumes of liquid fuel (>15,000 L) was identified as a significant drinking water threat (SDWT). Modeling exercises showed that a spill of this volume of fuel close to any body of water could result in contamination of the source water at our drinking water intakes. This resulted in the delineation of an extensive Event Based Area (EBA) in which large volumes of fuel are considered a threat to our drinking water. To mitigate these threats, Risk Management Plans (RMPs) that show actions are being taken to prevent spills are required to be established in consultation with a Risk Management Official.

To learn more about Source Protection in the Essex Region, please visit our website:
<https://essexregionconservation.ca/source-water-protection/>

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

1. Source Protection Plan Policies and Addressing Significant Risks

P – Progressing Well

Of the 44 policies in the Essex Region SPP that address SDWTs, 38 (86%) are fully implemented and 4 (9%) are in progress. The remaining two policies have been reviewed and it has been determined that no further action is required.

Three (3) in progress policies use s.58 (risk management plans) in specific vulnerable areas to manage SDWTs. The RMO has conducted a review and has not encountered any existing SDWTs. However, these policies have been challenging to implement and the policy approaches will be reviewed in the next Source Protection Plan update. Any new potential SDWTs are captured during the s.59 screening process. One (1) in progress policy requires Windsor, Lakeshore and Amherstburg to prohibit sewage treatment tanks in IPZ-1s. This policy is implemented in Windsor and Lakeshore and will be included in Amherstburg's next Official Plan update. Importantly, this activity is also prohibited using a Prescribed Instrument policy and there are no existing threats.

2. Municipal Progress: Addressing Risks on the Ground

L – Limited Progress

All of the 11 municipalities in the ERSPA have vulnerable areas where SDWT policies apply. Municipalities are required to ensure that their planning and building decisions conform with the Essex Region SPP and must also ensure that their Official Plan conforms with the SPP upon the next Planning Act review.

The County of Essex, Town of Essex, LaSalle, Tecumseh and Kingsville have completed their required Official Plan (OP) conformity exercises. The remaining municipalities (6 of 11) are in the process of amending their Ops and have been for several years. ERSPA staff have reviewed some draft OP revisions, in some cases multiple times. With the advent of Bill 23 and the delay in the release of the Provincial Direction and Provincial Policy Statement 2023, OP revisions are likely to be further delayed and it is unknown when they will be complete. Importantly, the overall status of OP revisions is minimally changed from the previous annual report with limited progress since the Essex Region SPP came into effect. For these reasons, the Committee unanimously choose to lower the score on Municipal Progress in 2022 and with minimal progress in 2023, it was the Committee's unanimous decision to retain the score of 'L – Limited Progress'. The Committee encourages municipalities to provide a target date by which the necessary information to bring their OPs into conformity with the Essex Region SPP will be incorporated either through a complete update or Official Plan Amendment.

All lower tier municipalities are responsible for day-to-day land use planning and building permit decisions and have integrated source protection requirements to ensure that their planning and building decisions conform with the policies in the Essex Region SPP. Municipalities are encouraged to review this process annually to ensure its use and efficacy. The Essex Region Conservation Authority has been delegated by all of these municipalities to implement Part IV policies on their behalf. At the request of municipalities, ERSPA will deliver additional training to municipal staff in 2024.

3. Septic Inspections

Not applicable to the ERSPA. There are currently no polices in the Essex Region SPP that require mandatory septic inspections. However, the Committee notes that high levels of *E.coli* remain a concern for our local waterways and beaches. Landowners are encouraged to have their septic systems inspected and maintained regularly.

4. Risk Management Plans **P - Progressing Well**

As of January 2019, threat verification inspections were carried out in accordance with the *Clean Water Act* by the RMO/I for all 384 existing properties originally identified in the ERSPA to determine whether or not existing activities identified in the Source Protection Plan meet the criteria to be considered a SDWT (the handling & storage of fuel). Of these, 96 were identified to be SDWTs. As of 2022, RMPs were established for all 96 existing threats.

Four (4) s.59 applications were reviewed in 2023 resulting in three (3) RMPs being established for new fuel threats. Since the SPP took affect, 21 RMPs have been established through the s.59 process for new threats. To date, all of the RMPs established for new fuel tanks have been for greenhouse construction and crude oil and brine operations. There have not been any applications reviewed for the other Part IV policies applicable to Lakeshore IPZ-1, Windsor IPZ-1, Windsor IPZ-2 and Amherstburg IPZ-1.

In 2022, the RMO began conducting compliance reviews for individuals with existing Risk Management Plans issued under a s.58 (existing threats). Due to staffing changes, compliance reviews were not conducted in 2023. Please refer to the supplementary Part IV 2022 Risk Management Services Report for further information and details.

5. Provincial Progress: Addressing Risks on the Ground

P – Progressing Well

The Essex Region SPP includes 17 policies that use Provincial Instruments (Environmental Compliance Approvals) to address SDWTs. Screening for future threats became mandatory the date the SPP came into effect (October 1, 2015). Our policies set out a timeline of 5 years (October 1, 2020) to review and make necessary changes to previously issued PIs to address existing SDWTs, this work was completed in 2018. Ontario Ministries screen new applications and amend Prescribed Instruments as needed to address any new SDWTs. As a result of this work, all of the policies that use Provincial Instruments in the Essex Region SPP are fully implemented.

As of December 2018, all 38 of the existing PIs were reviewed. Five of these were considered to be SDWTs where the PI was sufficient and no additional conditions were required to mitigate the SDWT. In 2023, no new applications for SDWTs were reviewed by Provincial Ministries in vulnerable areas of the Essex Region. Since 2016, 37 new applications for PIs have been reviewed in the ERSPA. No new SWDTs have been identified through this process.

6. Source Protection Awareness and Change in Behaviour

Road signs have been installed across the ERSPA as part of a provincial awareness initiative. The Ontario Ministry of Transportation (MTO) installed signs five signs in the Essex Region on Hwy 401, Hwy 77 and Hwy 3. Municipalities coordinated installation of more than 60 signs on local municipal and county roads. Signs continue to be replaced as needed.

These road signs identify sections of road where accidental spills could contaminate our sources of drinking water. As part of the Essex Region Source Protection Plan implementation, emergency responders have been notified about these zones so that our sources of drinking water can be protected in the event of a spill. The use of a standardized signs throughout Ontario will help to raise public awareness about the importance of protecting our local sources of drinking water.

The main risk to drinking water in our local area is the handling and storage of liquid fuel. If a spill is observed, residents are advised to contact the Spills Action Center at 1-800-268-6060. To learn more about these road signs in the Essex Region, check out our video! <https://www.youtube.com/watch?v=MwO3V1zsUAs>

7. Source Protection Plan Policies: Summary of Delay

There have been no significant delays in the implementation of the Essex Region Source Protection Plan.

8. Source Water Quality: Monitoring and Actions

Harmful algal blooms (HABs) are an annual occurrence in Lake Erie and Lake St. Clair. HABs are formed by blue-green algae (or cyanobacteria) that produce a neurotoxin called microcystin, which is a parameter listed on Schedule 2 of the Ontario Drinking Water Quality Standards. The Essex Region SPC determined that microcystin was a drinking water issue for Lake Erie intakes in 2014. The data were reviewed for all of the intakes in the Essex Region in 2023, including those in Lake St. Clair, the Detroit River and Lake Erie. The SPC has determined that microcystin is a drinking water issue for all intakes based on that review. The SPP and Assessment Report will be updated accordingly.

Each fall, NOAA releases a final seasonal assessment for the severity of the Lake Erie HAB. The severity index ranges from zero to 10 and indicates the amount of bloom biomass over the peak 30 days of the bloom. These models are not currently able to predict nor report on the toxicity of the bloom. In 2023, the Lake Erie HAB received a score of 5.3, making it a moderately severe bloom but less severe than 2022. It is not yet possible to declare any trend in bloom severity, nor to determine whether on-the-ground actions are responsible for lowering bloom severity. Importantly, peak bloom periods are now longer. In 2010 the peak bloom period was 10 days, in 2022 it was 20-30 days.

The Source Protection Plan includes a policy to continue monitoring for phosphorus and microcystin, and a regional education and outreach policy for phosphorus, microcystin as a drinking water issue, and algae blooms in general. ERCA continues to be a leader in phosphorus monitoring and has integrated HABs into educational programs directed at a variety of target audiences. Unfortunately, in 2023, many of the funding streams that ERCA has relied upon for monitoring were not available. This resulted in a significant decrease in the number of samples taken and the number of sites monitored. Additionally, there were fewer opportunities to participate in outreach events. At the end of 2023, ERCA's Agricultural Stewardship program was put on hold unless or until additional sources of funding become available. At the time of this writing, there are new grants in place or pending that will re-instate some monitoring programs in 2024, but outreach and stewardship are still uncertain.

In 2023, ERCA published two important reports. The [Kingsville Leamington Nutrient Project](#) report uses 10 years of data (2012 – 2022) to explore trends and patterns in greenhouse and non-greenhouse influenced streams. The report uses multiple lines of evidence and shows that nutrient concentrations are higher in greenhouse-influenced streams. Importantly, concentrations are increasing in streams with newly built greenhouses. ERCA is working with Provincial and Federal agencies on next steps for monitoring and mitigation. The [Essex Region Phosphorus Management Plan](#) describes the status of phosphorus concentrations in local waterbodies, identifies sources of phosphorus in the Essex Region as well as knowledge gaps, and reduction strategies. It includes a list of Action Items that are intended to be a living document, updated as actions are completed and/or new actions identified.

9. Science-based Assessment Reports: Work Plans

The Essex Region SPA continues to make progress towards completing our s.36 update with a goal of finalizing the update by the end of 2024. The formal consultation process on new and amended policies will begin mid-2024. This process is about a year delayed in part due to the late release of the 2021 Director Technical Rules by the MECP, which were required to prepare new policies and updates to the majority of the existing policies in the Source Protection Plan. Staffing shortages and increased workload in other areas has also contributed to this delay.

10. More from the Watershed

Each year, Implementing Bodies are invited to include any success stories related to Source Water Protection through the Annual Reporting process. The SPC has chosen to highlight the actions taken by our municipalities that help meet the goals of Source Water Protection. Since 2019, several of our municipalities have declared a climate emergency and some have approved Climate Change Adaptation Plans that include actions that will also protect water quality through the reduction and/or mitigation of flooding and erosion. Many municipalities have subsidy programs that provide support for downspout disconnection and rain barrels to mitigate high flow events and backflow valves to prevent basement flooding. Municipalities are also updating sewer master plans with the inclusion and encouragement of riparian buffers, and planning for future flood mitigation. Community events like beach clean ups and tree plantings are supported. Municipalities are also examining their own internal processes and updating standard operating procedures for things like road salt application, sediment control during construction, stormwater management, fire fighting, spill containment, and incorporating low impact design where possible. While our municipalities are behind in updating their Official Plans, they have been taking clear actions to protect the environment, which in turn protects our sources of drinking water. The SPC wishes to acknowledge these actions and encourage our municipalities to continue down this path, especially in light of rising development pressures.

To learn more about our source protection region/area, visit our homepage:
<https://essexregionconservation.ca/source-water-protection/>



Have you seen this Drinking Water Protection sign?

These signs are appearing across Ontario to raise awareness about the vulnerability of our municipal drinking water sources. Governments at the local and provincial level placed signs along roadways where a pollution spill could have a negative impact on our drinking water sources. The main risk to drinking water in the Essex Region Source Protection Area is the handling and storing of liquid fuel. These signs indicate areas where a spill of a large volume of liquid fuel could impact one of our drinking water intakes. If a spill is identified or if you observe what you suspect to be a harmful algal bloom (classic description is that it looks like green paint and often has a white/yellow scum on top), residents should contact the Spills Action Centre at 1-800-268-6060 or online: [Spills Action Centre](#)

2023 Risk Management Official Annual Progress Report

Prepared by:



PART IV IMPLEMENTATION – RISK MANAGEMENT SERVICES

INTRODUCTION

Source water is the water that supplies our drinking water treatment plants. Following the Walkerton Inquiry, the *Clean Water Act, 2006* became part of the Ontario government's commitment to protecting municipal drinking water systems from contamination and overuse, now and into the future. The *Clean Water Act* led to the creation of Source Protection Plans (SPPs) across Ontario. The [Essex Region SPP](#) came into effect on October 1, 2015 and the [Thames-Sydenham and Region SPP](#) came into effect on December 31, 2015.

The SPPs contain policies to ensure that [Significant Drinking Water Threat \(SDWT\) activities](#) identified in vulnerable areas near surface water intakes cease to be or never become a risk to source water. Municipalities are required to have a specially trained and certified Risk Management Official and Risk Management Inspector (RMO/I) to implement policies written under Part IV of the *Clean Water Act*. The municipalities in the Essex Region Source Protection Area (ERSPA) and the Municipality of Chatham-Kent in the Thames-Sydenham and Region Source Protection Region (TSRSPR) delegated these obligations to the Essex Region Conservation Authority (ERCA). This agreement began in 2015 and is renewed on a three-year cycle. The terms of the current agreement expire on December 31, 2024.

There are eight municipal surface water intake systems serving the municipalities in the ERSPA and the southernmost portion of the TSRSPR that have vulnerable areas where Part IV policies apply:

- Stoney Point Intake (Lake St. Clair)
- Lakeshore (Belle River) Intake (Lake St. Clair)
- Windsor (A.H) Weeks Intake (Detroit River)
- Amherstburg Intake (Detroit River)
- Harrow - Colchester Intake (Lake Erie)
- Union Intake (Lake Erie)
- Wheatley Intake (Lake Erie)
- Pelee Island (Lake Erie)

This annual progress report details the progress made by the RMO/I toward the implementation of Part IV policies in both the ERSPA and TSRSPR Source Protection Plans, as required annually by the *Clean Water Act* and its Regulations. The report includes actions taken by the RMO/I between October 1, 2015 and December 31, 2023, highlighting actions between January 1, 2023 and December 31, 2023.

SIGNIFICANT DRINKING WATER THREATS

Activities on the land can pose threats to sources of municipal drinking water through spills and runoff. The above grade handling and storage of large volumes of liquid fuel was determined to be a SDWT in both the ERSPA and TSRSPR in an extensive vulnerable area (Event Based Area). There are additional SDWT activities identified in Lakeshore IPZ-1, Windsor IPZ-1, Windsor IPZ-2 and Amherstburg IPZ-1. The land portion of these areas, however, are small and/or predominantly residential or municipal land use where the identified activities are not likely to exist.

PART IV POLICIES, *CLEAN WATER ACT*

Part IV policies can be used to prohibit (Section 57) or manage (Section 58) activities identified as SDWTs. These policies apply to both existing and future (new) SDWTs located within vulnerable areas identified as Intake Protections Zones (IPZs) or Event Based Areas (EBA). Policies written using restricted land uses (Section 59) are intended to act as a screening tool by municipal planning and building staff to identify any potential new SDWTs that would be subject to Section 57 or Section 58 policies. In the Essex Region Source Protection Area, activities are only prohibited if they do not currently occur in identified vulnerable areas and are not likely to occur in the future. Most of the policies written to address identified and future SDWTs in the SPPs use Section 58, which requires the development of a Risk Management Plan (RMP) to minimize the risks to sources of municipal drinking water.

PROHIBITION (SECTION 57, PART IV POLICIES)

The Essex Region SPP contains six policies that prohibit specific SDWT activities using s.57 of the Clean Water Act. These prohibition policies currently only apply to Lakeshore IPZ-1, Windsor IPZ-1 and Amherstburg IPZ-1 where the designated land use precludes many of these activities. Prohibited activities include the following under specific circumstances as indicated in their relevant policies:

- The application and storage of Agricultural Source Material (ASM)
- The application and storage of Non-Agricultural Source Material (NASM)
- The storage of road salt (>5000 tonnes)
- The storage of snow (>1 ha)

There is no agriculturally zoned land in any of the subject vulnerable areas, therefore the application and storage of both ASM and NASM as defined in the policies cannot occur. In 2022, The RMO confirmed through a detailed review of aerial photography in ERCA's Georcortex, street view imagery from Google, and consultation with the City of Windsor that there are no existing storage structures for salt, nor large areas for snow storage in the subject vulnerable areas that meet the criteria to be a SDWT. The RMO is satisfied that there are no existing activities that are prohibited using s.57 polices. Municipalities have received training to screen for potential SDWTs that meet these criteria, and none have been identified since the Plan came into effect in 2015.

RISK MANAGEMENT PLANS (SECTION 58, PART IV POLICIES)

Risk Management Plans (RMPs) are agreements between the RMO and the person engaged in the activity, typically the landowner or business operator, to prescribe how a SDWT activity is managed on a specific property using appropriate risk management measures (RMMs). RMPs outline existing RMMs and identify additional RMMs required to prevent spills and contain one should it occur. RMPs may be straightforward in circumstances where persons are already implementing RMMs. RMPs are meant to be flexible and allow the activity to continue to occur, provided that RMMs agreed upon are followed. The person engaged in the activity is responsible for maintaining RMMs on site. The RMO/I monitors the implementation of RMPs once they are established and conducts compliance inspections. RMPs can be amended at any time following the effective to date to accurately reflect any changes on the site or to the SDWT activity.

The RMO/I provides guidance and assistance in the development of RMPs through site visits, emails, phone calls and additional meetings. Resources and templates were developed by Risk Management staff and are provided to the proponent during the negotiation of the RMP. The following risk management measures are typically included in RMPs: documentation of regular fuel tank inspections, an updated spill prevention and containment plan, spill emergency response plan and training for staff, and documentation that fuel storage tanks adhere to applicable fuel regulations and remain safe for refueling and storage.

The total number of RMPs established for existing and new significant drinking water threats, and the number of RMPs issued by Order in each municipality in the ERSPA and TSRSPR are reported in Table 1a and Table 1b. Table 2 provides a detailed annual accounting of the activities the RMO/I is required to report to the MECP in compliance with Section 81 of the *Clean Water Act* for the ERSPA. The RMO/I provides responses to the TSRSPR for inclusion in their report to the MECP.

There are three Part IV policies that remain in progress. These policies address the storage of hazardous waste and pesticide in Lakeshore, Windsor and Amherstburg IPZ-1 and the application of pesticide in Lakeshore, Windsor and Amherstburg IPZ-1 and Windsor IPZ-2. The RMO has conducted a thorough review of available information and did not find any existing SDWTs. The RMO is now working with municipalities to confirm that these activities do not currently exist and that new activities are being identified through s.59 screening. The specific pesticides identified are typically only used for agriculture. Importantly, these policies will be updated to align with the 2021 Director Technical Rules.

EXISTING ENUMERATED SIGNIFICANT DRINKING WATER THREAT ACTIVITIES

There were 384 potential SDWTS identified in the ERSPA Source Protection Plan and 33 potential SDWTS identified in the TSRSPR Source Protection Plan when the Plans were written. Threat verification inspections were completed to determine whether the fuel tanks installed on site met the criteria to be considered a SDWT (e.g. capacity, location in relation to the Event Based Area and contents of the fuel tanks). These threat verification inspections and windshield surveys confirmed that there were 96 existing SDWTS in the ERSPA and 9 existing SDWTS in the TSRSPR that required a RMP. As of October 2022, RMPs have been established for all existing SDWTS in both Source Protection Areas.

Of the existing SDWTS, six RMPs were issued by Order in the ERSPA and six in the TSRSPR. Eight of these properties are owned and operated by a corporation that oversees crude oil and brine operations. There was a breakdown in communication that necessitated the completion of the RMPs by Order. The remaining four RMPs issued by Order were for absentee owners of greenhouse cannabis operations.

RESTRICTED LAND USES AND THE WRITTEN DIRECTION (SECTION 59, PART IV POLICIES)

Section 59 (Restricted Land Use) policies serve as a screening process to identify new potential SDWTS through incoming municipal building and planning applications before they are established. If a project meets the criteria outlined in the Written Direction, proponents are notified that they must complete and submit a [Section 59 Application](#) to the RMO/I for review. Building or planning applications cannot proceed until the applicant has demonstrated that a SDWT activity will not pose a risk to drinking water sources (e.g. RMP established) and a written notice to proceed from the RMO/I has been issued.

Between October 1, 2015 and December 31, 2022, the RMO has received 55 applications in the ERSPA and 4 applications in the TSRSPR through Section 59 screening for new potential fuel threats in the Event Based Area. Of these, there were 21 instances in the ERSPA and 2 instances in the TSRSPR where an application met the criteria to be considered a SDWT, triggering the need for a RMP. In these cases, the process for developing a RMP was expedited and a notice to proceed was issued once the RMP was finalized and agreed to. In 2023, three RMPs in the ERSPA was established through the s.59 screening process. To date, all of the RMPs established for new fuel tanks have been for greenhouse construction and crude oil and brine operations. There have not been any applications reviewed for the other Part IV policies applicable to Lakeshore IPZ-1, Windsor IPZ-1, Windsor IPZ-2 and Amherstburg IPZ-1.

COMPLIANCE MONITORING

The RMO began working with individuals with existing Risk Management Plans to ensure compliance. A compliance checklist was circulated to all individuals who were issued a s.58 notice to proceed (existing threats) with a Risk Management Plan established. The compliance check is a self-assessment that allows the RMO to ensure that all documents are up to date and that properties with significant drinking water threat activities continue to implement appropriate Risk Management Measures.

The checklist includes the following items: Proof of adherence to the applicable fuel regulations (ensuring fuel tanks are certified to obtain fuel and/or installed by a TSSA technician), proof of fuel tank inspections, updates to the spill prevention and containment plan, updates to the spill and emergency response plan, and proof of employee training. Unfortunately, due to staffing shortage, compliance monitoring was put on hold for 2023.

MUNICIPAL INTEGRATION

The Risk Management Official will be providing refresher training to Planning and Building staff for municipalities in 2024 at their request. In addition, [training was recorded](#) that applies to all municipalities and is available on YouTube for new municipal staff or those wishing a refresher.

MOVING FORWARD IN 2024

Continuing actions and next steps for Risk Management Services in 2024 include:

- Continue monitoring established risk management plans to ensure compliance
- Review Section 59 Applications circulated to riskmanagement@erca.org as a result of incoming municipal building and planning applications for new developments
- Deliver municipal training sessions on Section 59 processes and Source Protection Plan policies
- Respond to requests from developers, consultants and municipal staff during pre-planning for sites identified through the Section 59 process
- Continue working with local businesses and landowners on negotiating and establishing Risk Management Plans; continue to assist and provide guidance to those affected by Part IV policies
- Renegotiate agreements with municipalities to continue providing Risk Management Services

March 2024

Table 1a – Total number of Risk Management Plans established for existing and future (new) significant drinking water threats in each municipality in the ERSPA since October 1, 2015 for existing threats (AR+) and new threats (s.59). The table also indicates the number of those RMPs that were issued by Order.

Essex Region Source Protection Area (ERSPA)										
	Amherstburg	Essex	Kingsville	Lakeshore	LaSalle	Leamington	Pelee	Tecumseh	Windsor	Total
Total Identified threats in the AR	16	31	93	29	3	164	3	12	33	384
No RMP required (AR)	16	28	62	26	3	121	1	10	29	296
RMPs Required (AR)	-	3	31	3	-	43	2	2	4	88
Threats identified after the AR through field verification (AR +)	-	-	6	-	-	2	-	-	-	8
RMPs established (AR +)	-	3	37	3	-	45	2	2	4	96
RMPs established (s.59)	-	1	2	-	-	18	-	-	-	18
Number of RMPs Issued by Order under Part IV of the CWA	-	-	3	-	-	3	-	-	-	6
Total RMPs established		3	39	3		63	2	2	4	117

Table 1b – Total number of Risk Management Plans established for existing and future (new) significant drinking water threats in each municipality in the TSRSPR since October 1, 2015 for existing threats (AR+) and new threats (s.59). The table also indicates the number of those RMPs that were issued by Order.

Thames Sydenham and Region Source Protection Region (ERSPR)				
	Lakeshore	Leamington	Chatham Kent	Total
Total Identified threats in the AR	6	9	18	33
No RMP required (AR)	5	6	13	23
RMPs Required (AR)	1	3	5	10
Total threats identified after the AR through field verification (AR +)	-	-	-	-
RMPs established (AR)	1	3	5	9
RMPs established (s.59)	-	2	-	2
Number of Orders Issued Under Part IV of the CWA	-	3	3	6
Total RMPs established	1	9	1	11

March 2024

Table 2 – Detailed activity report for the ERSPA provided by the RMO/I to the MECP to comply with Section 81 of the *Clean Water Act*. The RMO/I provides responses to TSRSPR for inclusion in their report to the MECP.

Essex Region Source Protection Area (ERSPA)								
Additional Part IV Reportables under Section 81 of the <i>Clean Water Act</i> (ERSPA)	2016	2017	2018	2019	2020	2021	2022	2023
RMPs established for existing threats (s.58)	0	1	14	34	38	7	2	0
RMPs established for new threats (s.59)	4	0	1	1	2	8	1	3
Total RMPs agreed to or established	4	1	15	35	40	15	3	3
s.59 Applications Received	18	2	2	4	7	12	9	4
S. 59 notices issued for activities to which neither S. 57 nor S.58 policies applied	14	2	1	3	5	4	6	2
S. 59 notices issued for activities to which a S.58 policy applied	4	0	1	1	2	8	1	2
Total S. 59 notices issued	18	2	2	4	7	12	7	4
Inspections* carried out for activities that are prohibited under S. 57	0	0	0	0	0	0	0	0
Inspections* carried out for activities that require a RMP under S. 58	14	32	47	63	32	0	2	0
Inspections* carried out for activities that were determined not to require a RMP under S.58	55	160	82	7	3	0	1	0
Total number of inspections	69	192	129	70	35	0	3	0
Notices issued where there were cases of contraventions and/or non-compliance with S.57	0	0	0	0	0	0	0	0
Notices issued where there were cases of contraventions and/or non-compliance S.58	0	0	0	0	0	0	0	0
Orders issued for contraventions and/or non-compliance found with S. 57	0	0	0	0	0	0	0	0
Orders issued for contraventions and/or non-compliance found with S.58	0	0	0	0	0	4	8	0
Total number of notices and/or orders issued under Part IV of the CWA	0	0	0	0	0	4	8	0

*Inspections imply that the RMO/I had a physical presence on the site, including follow-up site visits, e.g., threats verification visit, including drive-bys, if applicable. Phone calls and emails are not considered to be an inspection.