



# Kettle Creek Source Protection Authority

April 20, 2022

**Agenda**  
11:00 a.m.

## Audio/Video Recording Notice

*"Board members, staff, guests and members of the public are reminded that the KCSPA Board/Committee meeting is being recorded, and will be posted to the Authority's web site along with the official written minutes. As such, comments and opinions expressed may be published and any comments expressed by individual Board members, guests and the general public are their own, and do not, represent the opinions or comments of the Source Protection Authority and/or the KCSPA Board of Directors.*

*The recorded video of the KCSP meeting is not considered the official record of that meeting. The official record of the Source Protection Authority meeting shall consist solely of the Minutes approved by the Source Protection Authority."*

## Introductions and Declarations of Pecuniary Interest

### Delegations

### Election of Officers and Administrative Approvals

**Recommendation:** That the Chair, Vice Chair and all officers elected or appointed by the Kettle Creek Conservation Authority in 2022 serve in the same roles for the Kettle Creek Source Protection Authority in 2022.

### Minutes of Meetings

- a) Lake Erie Regional Management Committee Meeting October 25, 2021..... 3
- b) Lake Erie Region Source Protection Committee Meeting September 9, 2021..... 9
- c) Lake Erie Region Source Protection Committee Meeting December 2, 2021 ..... 14
- d) Kettle Creek Source Protection Authority April 21, 2021..... 23

**Recommendation:** THAT the minutes of the October 25, 2021 Lake Erie Regional Management Committee and September 9, 2021 and December 2, 2021 Lake Erie Region Source Protection Committee meeting be received; and further

That the minutes of the April 21, 2021 Kettle Creek Source Protection Authority be approved.

### New Business

- a) Kettle Creek Annual Progress Report 2021.....27

**Recommendation:** THAT the Kettle Creek Source Protection Authority accept the Lake Erie Region Source Protection Committee comments regarding the extent to which objectives of the Kettle Creek Source Protection Plan have been achieved during the annual reporting period January 1, 2021 to December 31, 2021.



AND THAT the Kettle Creek Source Protection Authority direct Lake Erie Source Protection Region staff to submit the Kettle Creek annual report to the Ministry of the Environment and Climate Change, and any comments the Source Protection Authority wishes to make, in accordance with S.46 of the Clean Water Act, 2006 and any Director's instructions established under O.Reg. 287/07 S.52.

**Next Meeting**

As required.

## **LAKE ERIE SOURCE PROTECTION REGION MANAGEMENT COMMITTEE MEETING MINUTES OF OCTOBER 25, 2021**

The following is a summary of the virtual Lake Erie Source Protection Region Management Committee Meeting held at 10a.m. on October 25, 2021.

**Present:** E. Van Hooren – Chair, M. Columbus, I. Feldmann, M. Keller, S. Lawson, J. Maxwell, C. White, D. Underhill, W. Wright-Cascaden

**Regrets:** R. Cerna

### **1. Call to Order**

The meeting was called to order at 10:03a.m.

### **2. Review and Approval of Agenda**

**Moved by** M. Columbus

**Seconded by** C. White

THAT the meeting agenda for October 25, 2021 be approved as distributed.  
**carried**

### **3. Declarations of Pecuniary Interests**

None

### **4. Review and Approval of Minutes of Previous Meeting July 6, 2021**

**Moved by** C. White

**Seconded by** J. Maxwell

THAT the minutes of the previous meeting of July 6, 2021 be approved.  
**carried**

### **5. Correspondence**

None

## 6. Presentation

None

## 7. Source Protection Program Reports

### a) Report 21-10-01 – Program Manager’s Update

M. Keller shared that Lake Erie Region staff have been working with neighbouring source protection regions and the ministry to improve the current annual progress reporting questions. The ministry has not yet provided a timeline for when the final changes to the Director’s Technical Rules will be released.

Work continues to update Lake Erie Region’s website, reports and documents to AODA standards. Some documents, notably the assessment report and source protection plans, will be challenging to make AODA compliant due to their size and complexity. Lake Erie Region staff have been in contact with neighbouring regions to learn what approaches they are taking to achieve compliance. Lake Erie Region webpages will likely need to include a note that some documents are not in compliance and to contact Lake Erie Region staff if a document in an alternate format is required.

Work is ongoing to update the Catfish Creek and Kettle Creek source protection plans under s.36 of the Clean Water Act, 2006 (CWA). Staff are waiting for the release of the final changes to the Director’s Technical Rules to assess how the changes may be incorporated into the updates. Work has also started to update the Grand River and Long Point Region source protection plans under s.36. The Long Point Region and Grand River updates do not need to be completed until 2023 and 2024, respectively.

Water quantity policy development, including meetings with the ministry and the project team, continues for the Guelph-Guelph/Eramosa area. Discussions have been constructive.

There are two s.34 Grand River Source Protection updates currently with the ministry for review and approval: “Wellington/Region of Waterloo” and “Grand Valley”.

M. Columbus noted that Bloomsburg is referenced in the report as north east of Tillsonburg – it should be north east of “Simcoe”.

**Moved by** M. Columbus

**Seconded by** S. Lawson

THAT the Lake Erie Source Protection Region Management Committee receives report 21-10-01 Program Manager’s Report – Status Update – for information.

**Carried**

**b) Report 21-10-02 – Financial Update**

The 2021-22 interim financial report is due for submission to the ministry on October 29, 2021. In general, staffing is on track with some staffing underspent, specifically technical support and general managers. Technical support experienced a reduced workload and staffing changes, and there were fewer opportunities for general managers to be involved in source-related work.

Disbursements is underspent as a result of COVID-19 health restrictions. Some of the services and costs related to plan updates are delayed and have not been incurred, and will likely be postponed to the next fiscal.

Work planning has begun for the 2022/23 fiscal year despite the ministry not yet releasing the request for workplans. Program managers were provided an opportunity in the summer to comment on proposed eligible activities. The ministry has indicated that eligible activities will be fairly similar to this fiscal year. The new workplan will likely be submitted in late December 2021 with ministry negotiations in the New Year.

M. Columbus noted a typographical error in the report: “grand funding” should be “grant funding”.

**Moved by C. White**

**Seconded by M. Columbus**

THAT the Lake Erie Source Protection Region Management Committee receives report 21-10-02 Financial Update – for information.

AND THAT the Lake Erie Source Protection Region Management Committee direct staff to finalize and submit the 2021/22 Interim Progress Report and Financial Progress Report to the Ministry of the Environment, Conservation and Parks by October 29, 2021.

**carried**

**c) Report 21-10-03 – Draft Updated Terms of Reference**

July 6, 2021 the Lake Erie Region Management Committee (LERMC) discussed updating the LERMC Terms of Reference to include language around formal Source Protection Authority (SPA) representation on the Lake Erie Region Source Protection Committee (SPC). M. Keller reached out to other source protection regions to ask how their SPAs participate in SPC meetings. The responses varied, e.g., some regions with more than one SPA have a member from each authority participate in every SPC meeting, while other regions only have their lead authority participate in SPC meetings. M. Keller felt that neither of those options were suitable for Lake Erie Region and that the rotational model, as discussed at the previous LERMC meeting, was the most appropriate option. This model would reduce the time and effort required of each SPA and would give an opportunity for

each of the SPAs to participate in a SPC meeting at least once a year. The updated LERMC Terms of Reference details the rotation model.

E. Van Hooren thought the approach was reasonable.

**Moved by S. Lawson**

**Seconded by J. Maxwell**

THAT the Lake Erie Region Management Committee endorse amendments made to the draft updated Lake Erie Region Management Committee Terms of Reference;

AND THAT the Lake Erie Region Management Committee direct Lake Erie Region staff to finalize and circulate the draft updated Terms of Reference.

**Carried**

#### **d) SPC Member Update**

M. Keller shared that B. Carberry's (agricultural representative) term on the SPC had expired and that he would not be seeking re-appointment. The Ontario Federation of Agriculture (OFA) agreed to lead the nomination process as was done for previous nominations. The OFA nominated Larry Davis. L. Davis is on the OFA Board of Directors, operates a dairy farm and is involved in water-related files at the GRCA. Stephanie Shifflett, GRCA water resources engineer, spoke highly of L. Davis. A report for appointment will be brought to the Grand River SPA's November 2021 meeting pending the LERMC's recommendation.

M. Columbus previously worked with L. Davis and thought he would be a good fit for the SPC.

**Moved by C. White**

**Seconded by M. Columbus**

THAT the Lake Erie Source Protection Region Management Committee receives report 21-10-04 Source Protection Committee Update – for information;

AND THAT Lake Erie Source Protection Region Management Committee recommend the Grand River Source Protection Authority appoint L. Davis as an economic (agricultural) representative to the Lake Erie Region Source Protection Committee for a four-year term of appointment.

**Carried**

#### **8. Joint Advisory Committee Update**

S. Lawson shared that the Joint Advisory Committee (JAC) had scheduled to meet in September 2021, but that meeting has been postponed. The ministry still needs to send out a revised meeting date.

#### **9. Business Arising from Previous Meetings**

None.

## **10. Update from Conservation Authorities**

### **Long Point Region Conservation Authority**

J. Maxwell shared that LPRCA has a November 10, 2021 budget meeting with the Board of Directors, has been working through the new Conservation Authorities Act (CAA) regulations, and winterizing water systems, and has had a good camping season.

### **Grand River Conservation Authority**

S. Lawson reported that the GRCA had a good camping season, is working on a transition plan and requirements as a result of new CAA regulations, some parks are closing this month while others transition to the winter season, a draft budget went to the Board in September 2021 and now staff will be meeting with various municipalities.

### **Kettle Creek Conservation Authority**

E. Van Hooren shared that KCCA will have a 3% levy increase. S. Lawson shared that the Grand River will have a 2.5% general levy increase; J. Maxwell reported that LPRCA will also have a 2.5% levy increase.

### **Catfish Creek Conservation Authority**

D. Underhill shared that CCCA has closed all their campgrounds, working through the CAA regulations, an environmental leadership program, and a number of construction projects. A draft budget has been brought to the Board, which included a 5% levy increase.

## **11. New Business**

None

## **12. Date of Next Meeting**

Next meeting date will be in February 2022 to align with the draft final 2021-22 financial update and replacement of a SPC representative. M. Keller will be reaching out to each general manager soon to prepare for the 2022/23 grant funding application.

## **13. Adjourn**

The meeting adjourned at 10:30a.m.

**Moved by C. White**

THAT the Lake Erie Source Protection Region Management Committee meeting of October 25, 2021 be adjourned.

**Carried**

## LAKE ERIE REGION SOURCE PROTECTION COMMITTEE MEETING MINUTES

Date: September 9, 2021

Time: 1:00pm

Location: GRCA Zoom Virtual Meeting  
Link to be distributed via email prior to meeting

Chair: W. Wright-Cascaden

Members present: A. Dale, L. Dickson, A. Domaratzki, P. Emerson, A. Henry, E. Hodgins, C. Jamieson, M. Jauernig, J. Kirchin, I. Macdonald, L. Perrin, J. Sepulis, B. Strauss, R. Taylor, B. Ungar, P. Wilson

Members absent: K. Hunsberger, R. Krueger, P. Rider, G. Schneider, B. Whitwell

Liaisons: O. Yudina (Provincial Liaison), M. Columbus (Source Protection Authority Liaison)

Proxy representatives: I. Macdonald (R. Krueger), B. Ungar (G. Schneider)

Staff: I. Feldmann, E. Hayman, M. Keller

### 1. Call to Order

Virtual meeting: by using the microphone and web camera, committee members agree to the recording and livestreaming of the meeting.

W. Wright-Cascaden called the meeting to order at 1:03pm.

### 2. Roll Call and Certification of Quorum – 17 Members Constitute a Quorum (2/3 of Members plus Chair)

The Recording Secretary called the roll and certified a quorum with 18 members present.

### 3. Chair's Remarks

W. Wright-Cascaden welcomed new Lake Erie Region Source Protection Committee (SPC) members Amy Domaratzki (public interest representative) and Matthew Jauernig (municipal representative for Oxford County and Perth County), shared that the Guelph-Guelph/Eramosa water quantity policy development study



continues to move forward, and that there will be a provincial chairs meeting on September 14, 2021.

#### **4. Review of Agenda**

M. Keller shared that Lake Erie Region staff are working towards ensuring that all future SPC agenda packages are AODA compliant.

W. Wright Cascaden commented that agenda item 10d will follow presentation 8.1.

##### **Res. No. 30-21**

Moved By P. Emerson

Seconded By B. Ungar

THAT the agenda of September 9, 2021 be approved as distributed.

Carried

#### **5. Declarations of Pecuniary Interest**

There were no declarations of pecuniary interests made in relation to the matters to be dealt with.

#### **6. Minutes of the Previous Meeting**

##### **Res. No. 31-21**

Moved By A. Dale

Seconded By R. Taylor

THAT the minutes of the previous meeting on June 17, 2021 be approved as circulated.

Carried

#### **7. Hearing of Delegations**

None

#### **8. Presentations**

M. Keller introduced B. Bryans to the SPC.

##### **8a. Outcomes from the Climate Change Vulnerability Assessment Tool for the Elgin Area Primary Water Supply System**

Presented by Brittany Bryans, Research & Process Optimization Engineer, Regional Water, Elgin Area Primary Water Supply System.

B. Bryans shared results from the climate change vulnerability assessment tool for the Elgin Area Primary Water Supply System.

A. Dale asked if different steps would be required if one were to run the tool for a groundwater system. A. Dale suspected that groundwater systems would be more vulnerable to climate change. B. Bryans responded that a different assessment would be conducted but the steps involved would be similar. The outcomes would likely be very different. M. Keller added that the tool is excel-based and that groundwater systems use a different worksheet adapted to groundwater sources.

A. Henry shared that it was great to work with B. Bryans' team and Lake Erie Region staff, and added that regardless of whether a system is surface water or groundwater, every source will have its own challenges with regard to potential for climate change impacts. A lack of water for Lake Erie is not an issue; however, water quality has the potential to be significantly impacted by climate change. A. Henry commented that although the challenges for groundwater and surface water would be very different, the long-term trends would probably be similar.

I. Macdonald commented that the big unknown in this scenario is the degree or severity of climate change. I. Macdonald asked if the data and tool were able to really stress the system, i.e., worse cast scenario. A. Henry responded that there are two aspects that were examined: the potential for impacts and the potential for adaptive capacity. The climate change assessment is a relatively high-level tool that is used for planning and policy-related purposes. Elgin Area Water Supply System staff will look at the issues that came out of the tool to determine if they are indeed long-term issues that the utility may need to incorporate into a climate action plan, or if the utility may need to work with local municipalities to determine if more needs to be done, e.g., addressing stormwater management facilities, intensification of residential areas and challenges with regard to agricultural properties. It is a high-level tool to initiate conversations - not a detailed quantitative assessment.

#### **10d. SPC-21-09-04 Climate Change Vulnerability Assessment Tool**

M. Keller presented report SPC-21-09-04 and noted an error on pg. 77: the last paragraph refers to "Central Elgin" staff; however, it should read, "Elgin Area Primary Water Supply System staff".

##### **Res. No. 35-21**

Moved By B. Strauss  
Seconded By J. Kirchin

THAT the Lake Erie Region Source Protection Committee receives report SPC-21-09-04 – Climate Change Vulnerability Assessment – Elgin Area Water Supply System – for information.

Carried

**9. Correspondence**

None

**10. Reports**

**10a. SPC-21-06-01 Source Protection Program Update**

M. Keller presented report SPC-21-06-01.

**Res. No. 32-21**

Moved By B. Ungar  
Seconded By B. Strauss

THAT the Lake Erie Region Source Protection Committee receives report SPC-21-06-01 – Program Update – for information.

Carried

**10b. SPC-21-09-02 Hydrocarbon Pipeline Threat Policy Update**

M. Keller presented report SPC-21-09-02 and thanked E. Hayman for her contribution to the report. M. Keller suggested an addition to the end of the sentence in the second recommendation, “for significant, moderate and low drinking water threats”. W. Wright-Cascaden was supportive of M. Keller’s suggested addition to the second recommendation.

**Res. No. 33-21**

Moved By L. Dickson  
Seconded By A. Henry

THAT the Lake Erie Region Source Protection Committee receives report SPC-21-09-02 – Liquid Hydrocarbon Pipeline Threat Policy Update – for information, and

THAT the Lake Erie Region Source Protection Committee support Lake Erie Region staff to work with municipalities to continue to develop and finalize draft liquid hydrocarbon pipeline policies for significant, moderate and low drinking water threats.

Carried

**10c. SPC-21-09-03 Guelph-Guelph/Eramosa Water Quantity Policy Development Progress Update**

M. Keller presented report SPC-09-03.

**Res. No. 34-21**

Moved By E. Hodgins  
Seconded By J. Sepulis

THAT the Lake Erie Region Source Protection Committee receives report SPC-21-09-03– Guelph-Guelph/Eramosa Water Quantity Policy Development Progress Update – for information.

Carried

**10e. SPC-21-09-05 S.34 Revised Updated Grand River Assessment Report and Source Protection Plan: Town of Grand Valley**

M. Keller presented report SPC-21-09-05. L. Dickson noted with respect to comments two and three on page 103, it appeared as though Lake Erie Region staff had completed proposed revisions in response to those comments, and asked if it were Lake Erie Region’s intent to make the changes a part of the s.34 “Grand Valley” Grand River Source Protection Plan update. M. Keller responded the proposed changes will be made before the submission of the s.34 “Grand Valley” Grand River Source Protection Plan update.

**Res. No. 36-21**

Moved By B. Ungar  
Seconded By J. Sepulis

THAT the Lake Erie Region Source Protection Committee receives report SPC-21-09-05 – S.34 Revised Updated “Grand Valley” Grand River Assessment Report and Source Protection Plan – for information;

AND THAT the Lake Erie Region Source Protection Committee releases the revised Updated “Grand Valley” Grand River Assessment Report and Source Protection Plan to the Grand River Source Protection Authority for submission to the Ministry of the Environment, Conservation and Parks, along with the municipal council resolutions received, and the comments as presented in this report.

Carried

**11. Business Arising from Previous Meetings**

**11.1 Lake Erie Region Source Protection Committee request under Technical Rule 119, from February 3, 2011, Re: rehabilitation activities at an aggregate operation within a vulnerable area of a municipal drinking water system that allows ponding of water.**

O. Yudina reported that ministry staff continue to make progress toward a decision.

**12. Other Business**

None

**13. Closed Meeting**

Not applicable

**14. Next SPC Meeting**

December 2, 2021, 1:00pm, virtual meeting

**15. Adjourn**

The Lake Erie Region Source Protection Committee meeting of September 9, 2021 adjourned at 1:51pm.

**Res. No. 37-21**

Moved By A. Henry

Seconded By L. Perrin

THAT the Lake Erie Source Protection Committee meeting of September 9, 2021 be adjourned.

Carried

## LAKE ERIE REGION SOURCE PROTECTION COMMITTEE

### MEETING MINUTES

Date: December 2, 2021

Time: 1:00pm

Location: GRCA Zoom Virtual Meeting  
Link to be distributed via email prior to meeting

Chair: W. Wright-Cascaden

Members present: A. Dale, L. Davis, L. Dickson, A. Domaratzki, M. Jauernig, J. Kirchin, I. Macdonald, L. Perrin, P. Rider, G. Schneider, J. Sepulis, B. Whitwell, P. Wilson

Members absent: P. Emerson, A. Henry, E. Hodgins, K. Hunsberger, C. Jamieson, B. Strauss, R. Taylor, B. Ungar

Liaisons: B. Forrest (Provincial Liaison), E. Van Hooren (Source Protection Authority Liaison)

Proxy representatives: L. Perrin (A. Henry), P. Rider (E. Hodgins)

Staff: I. Feldmann, E. Hayman, M. Keller, S. Sutherland

#### 1. Call to Order

Virtual meeting: by using the microphone and web camera, committee members agree to the recording and livestreaming of the meeting.

W. Wright-Cascaden called the meeting to order at 1:11pm.

#### 2. Roll Call and Certification of Quorum – 17 Members Constitute a Quorum (2/3 of Members plus Chair)

The Recording Secretary called the roll. Quorum was not reached with only 16 members present; 17 members must be present to reach quorum.

Members unofficially voted on the recommendations as presented in the agenda carrying all resolutions. Members provided official votes by email following the meeting.

### 3. Chair's Remarks

W. Wright-Cascaden reminded members of the voting protocol and that recommendations are printed on the meeting's agenda. W. Wright-Cascaden looked forward to meeting in-person in 2022.

W. Wright-Cascaden had an hour-long one-on-one meeting last week with Kirsten Corrigan, Director, Conservation and Source Protection, Ministry of the Environment, Conservation and Parks (MECP). Each source protection area/region chair will have an opportunity to meet with the Director. During the meeting, W. Wright-Cascaden outlined accomplishments in the Lake Erie Source Protection Region, identified gaps in the source protection program and highlighted Lake Erie Source Protection Region's Implementation Working Group (IWG). W. Wright-Cascaden suggested that the presentation she shared with the Director be provided at the next Lake Erie Region Source Protection Committee (SPC) meeting on March 31, 2022. The SPC could discuss the presentation and any concerns and / or program gaps. Another province-wide chairs and program managers meeting is scheduled for December 8, 2021.

W. Wright-Cascaden introduced Larry Davis, newly appointed economic (agricultural) member, to the SPC. L. Davis introduced himself to the SPC.

### 4. Review of Agenda

Res. No. 38-21

**Moved By** J. Kirchin

**Seconded By** P. Rider

THAT the agenda of December 2, 2021 be approved as distributed.

**Carried**

### 5. Declarations of Pecuniary Interest

There were no declarations of pecuniary interests made in relation to the matters to be dealt with.

### 6. Minutes of the Previous Meeting

Res. No. 39-21

**Moved By** A. Dale

**Seconded By** L. Dickson

THAT the minutes of the previous meeting on September 9, 2021 be approved as circulated.

**Carried**



**7. Hearing of Delegations**

None

**8. Presentations**

None

**9. Correspondence**

None

**10. Reports**

**10.1 SPC-21-12-01 Source Protection Program Update**

M. Keller welcomed back Elizabeth Forrest as Lake Erie Source Protection Region's Provincial Liaison.

M. Keller presented report SPC-21-12-01. E. Forrest shared that program managers should be receiving an email very soon regarding the final changes to the Director's Technical Rules.

Res. No. 40-21

**Moved By** L. Perrin

**Seconded By** I. Macdonald

THAT the Lake Erie Region Source Protection Committee receives report SPC-21-12-01 – Program Update – for information.

**Carried**

**10.2 SPC-21-12-02 Assessment of Percentage of Managed Lands and Livestock Density within the Paris North and Paris (Bethel) County of Brant Wellhead Protection Areas**

S. Sutherland presented report SPC-21-12-02.

A. Dale asked if the report was unique because of changes on the landscape in the County of Brant or if the SPC should expect more reports of this nature, e.g., issues / managed lands/ livestock density. M. Keller replied the 2021-22 provincial funding agreement specifically included doing this technical work for the County of Brant. Typically, when a municipality's drinking water system is expanded or a new well is brought online, the responsibility falls on the municipality to complete the technical work. However, Lake Erie Source Protection Region received provincial funding to work with some municipalities to update these calculations where significant land use changes have been identified. This type of work is also an eligible item for the next fiscal year. The purpose of the work is



to make sure that protection is up to date. For example, if the percent managed lands value changes to a higher category, certain policies may apply that did not before and visa versa. The move from agricultural land to more residential and commercial lands in some wellhead protection areas (WHPAs) in the County of Brant means agricultural activities related source protection plan policies may no longer apply. It is important that assessment report and source protection plan maps/schedules are up to date to provide for the best protection, but also to reduce the burden for those that are engaging in activities no longer affected by source protection plan policies.

Res. No. 41-21

**Moved By** L. Perrin

**Seconded By** G. Schneider

THAT the Lake Erie Region Source Protection Committee receives report SPC-21-12-02 - Assessment of Percentage of Managed Lands and Livestock Density within the Paris North and Paris (Bethel) County of Brant Wellhead Protection Areas – for information.

**Carried**

### **10.3 SPC-21-12-03 Assessment of Water Quality for Parameters of Concern at County of Brant Municipal Supply Wells**

E. Hayman presented report SPC-21-12-03.

A. Dale recalled road salt issues in the County of Brant being a SPC topic of discussion a couple of years ago. A. Dale did not understand how a municipal well could have a road maintenance yard right beside it. P. Rider was curious why sodium concentrations are increasing but chloride concentrations are not. If the issue were road salt, both concentrations would be increasing. E. Hayman responded that the County has a consultant that examined the sodium and chloride concentrations. The Brant Business Park snow melt drains into a stormwater management infiltration pond. It is possible that the overburden wells are up-taking whatever is draining into the pond. The adjacent salt domes are covered and are on Ministry of Transportation (MTO) property. A few years ago, the Mount Pleasant wellfield was impacted by high sodium concentrations. When a nearby salt dome was covered the sodium issues went away within five years. L. Davis shared A. Dale's concern and reiterated that there is an industrial park near the wells that likely receives a lot of salt.

I. Macdonald questioned why nitrate is still an Issue for the St. George wellfield when the concentrations have been half value for more than 15 years. E. Hayman said this topic was discussed with the County and it was decided to keep the Issue designation and the Issue Contributing Area (ICA) for the time being because the source of nitrate is still not known.

The County would like to further investigate potential sources. Additionally, the County feels that the current policies in place are not too burdensome on property owners.

W. Wright-Cascaden asked if an ICA is a designation in the source protection plan and if policies apply to that area. M. Keller replied that W. Wright-Cascaden was correct. G. Schneider commented that the County might want to consider conducting a geophysical survey to trace the source of sodium and chloride and that it could help determine where monitoring wells should go. L. Davis shared that it is possible if a pond is seeded with switch grass or barley, the grass could remove sodium from the soil. The grass is a perennial but barley would have to be seeded every year.

Res. No. 42-21

**Moved By** I. Macdonald

**Seconded By** R. Krueger

THAT the Lake Erie Region Source Protection Committee receives report SPC-21-12-03 - Assessment of Water Quality for Parameters of Concern at County of Brant Municipal Supply Wells – for information;

AND THAT the Lake Erie Region Source Protection Committee support the Lake Erie Region staff recommendation to maintain nitrate Issues for the St. George and Paris North (Gilbert and Telfer) wellfields along with further investigation of the source of nitrate for these wellfields;

AND THAT the Lake Erie Region Source Protection Committee support the Lake Erie Region staff recommendation to add sodium as an Issue under Technical Rule 114 for the Paris (Bethel) wellfield;

AND THAT the Lake Erie Region Source Protection Committee direct Lake Erie Region staff to work with County of Brant staff to delineate an Issue Contributing Area for sodium at the Bethel wellfield and to develop policies pertaining to the sodium Issue.

**Carried**

#### **10.4 SPC-21-12-04 Guelph-Guelph/Eramosa Water Quantity Policy Development Progress Update**

M. Keller presented report SPC-21-12-04.

A. Domaratzki asked what the definition of "development" was in the context of the water quantity policies. M. Keller responded that Halton Region and Wellington County have specifically defined "major development". It is the municipality's decision to define "development" and whether to include a definition for that municipality's set of policies. It was

a deliberate decision during the policy development process that the definition be addressed through planning act processes.

A. Domaratzki questioned what the Permit To Take Water (PTTW) policies are targeting and assumed it is urban development, e.g., subdivisions. M. Keller replied that it would capture any development that would require a water taking permit. This would capture a broad basket of applications, then through subsequent policies and processes, it would be scoped further into where modeling (using the Tier 3 Model) may need to be run or other further steps be needed. A. Domaratzki asked if it would be fair to say it is development that requires municipal approval. M. Keller responded in the affirmative.

A. Domaratzki asked if a proponent will be given access to the details of the model so that they can assess if what the City of Guelph provides them from the model is reasonable. M. Keller responded that more discussion is needed but right now the draft policies deliberately do not include those details because it is a process policy - it asks the proponent to request that the City run the model, and that will trigger a discussion. Additionally, not all Prescribed Instrument (PI) policies are drafted so the full picture is not complete. Through those discussions some of those questions will need to be answered, e.g., is the regional (Tier 3) model applicable in that certain development situation. The project team did not feel at this point that all those details need to be put into the policy. Those details would be addressed once the request to run the model is triggered.

L. Dickson thanked A. Domaratzki for her comment and shared similar thoughts. L. Dickson understood that any development site would be captured, but in the policy sub-items, it includes language about official plan, re-zoning, etc., so there seems to be a disconnect. It may be worthwhile looking at specifically what kinds of development should be included. In rural areas with larger industrial kinds of sub-divisions that may be on well and septic, if there are a number of wells and septic systems instead of one large industrial site, they may use a significant amount of water. However, there is not the same level of scrutiny regarding the quantity of water being used because they are individual properties. It may be worthwhile considering different kinds of development that may raise concerns for source water and permits.

W. Wright-Cascaden commented that this report will come back to a future SPC meeting with a complete set of water quantity policies.

Res. No. 43-21

**Moved By** J. Sepulis

**Seconded By** A. Domaratzki

THAT the Lake Erie Region Source Protection Committee receives report SPC-21-12-04– Guelph-Guelph/Eramosa Water Quantity Policy Development Progress Update – for information.

**Carried**

#### **10.5 SPC-21-12-05 Liquid Hydrocarbon Pipeline Threats Policy Update**

M. Keller presented report SPC-21-12-05.

Res. No. 44-21

**Moved By** P. Wilson

**Seconded By** L. Perrin

THAT the Lake Erie Region Source Protection Committee receives report SPC-21-12-05 – Liquid Hydrocarbon Pipeline Threats Policy Update – for information;

AND THAT the Lake Erie Region Source Protection Committee direct Lake Erie Region staff to share the proposed draft hydrocarbon pipeline policies with municipalities not directly affected by liquid hydrocarbon pipelines, for their support and inclusion in future s.34 or s.36 source protection plan updates.

**Carried**

### **11. Business Arising from Previous Meetings**

#### **11.1 Lake Erie Region Source Protection Committee request under Technical Rule 119, from February 3, 2011, Re: rehabilitation activities at an aggregate operation within a vulnerable area of a municipal drinking water system that allows ponding of water.**

E. Forrest responded that the Ministry is making progress and actively working on a response.

P. Rider commented that the SPC's request for a response has now surpassed 10 years and in that time the SPC sent several letters to the MECP, including a letter a couple years ago. M. Keller replied it was likely more than a few years ago. P. Rider commented that the City of Guelph would like a response to the request and perhaps it is time for the SPC to consider raising a motion to send another letter to the MECP.

I. Feldmann noted that the meeting still did not have quorum. M. Keller proposed two options: accept the reports for information only and defer any of the other recommendations to the next SPC meeting, except for P. Rider's motion or circulate the recommendations to SPC members via email and request their vote. W. Wright-Cascaden suggested that present members could vote on the recommendations now and then circulate

those recommendations to all SPC members and ask for confirmation via email; however, that may not align with the SPC's Rules of Procedure. M. Keller replied that the rules do not explicitly say it is not allowed.

I. Macdonald asked if there were ongoing negotiations between the City and the property owner. P. Rider responded that I. Macdonald was correct but that this was a forward-looking request instead of only resolving an issue that occurred in the past. I. Macdonald wanted to know if the issue that initially prompted the request has been resolved to the satisfaction of the City, or if there were still things outstanding that would be affected by the information the City is seeking in the MECP's response. P. Rider responded that there are still a number of steps required to move things forward to the City's satisfaction. The intention of this request is not just this specific case but any other potential case that could appear on the landscape. I. Macdonald did not think that the request is currently the same priority as it was previously but did not disagree with the need to re-issue a letter to the MECP.

P. Wilson left the meeting at 2:30pm.

P. Rider reiterated that M. Keller had suggested taking a poll and then circulating the question to the SPC members not present at the meeting. The SPC should defer the request for motion until the next SPC meeting in March 2022 if M. Keller's suggestion is not possible. W. Wright-Cascaden thought that a motion could be brought forward now and that the status of the motion would have to be made clear in the letter to the MECP. If the SPC supports the motion (only short of quorum by one member) it would be a clear message to the MECP that the SPC is anxious for a response. W. Wright-Cascaden was happy to receive a motion from P. Rider, seek a seconder, and with M. Keller's assistance, figure out how to move the motion forward to final approval.

A. Dale added that the SPC has been waiting a long time for a response, the issue is still relevant in Lake Erie Source Protection Region and in other locations, and that the MECP needs to reach a decision.

W. Wright-Cascaden thought that Lake Erie Source Protection Region staff should advise all SPC members how the recommendations will be addressed, e.g., email poll, before the March 2022 SPC meeting. M. Keller agreed and suggested compiling all the resolutions and votes from this meeting send them to members to ask for their confirmation and vote.

E. Forrest recommended sending the letter to the Director of Conservation and Source Protection.

Res. No. 45-21

**Moved By** P. Rider

**Seconded By** I. Macdonald

THAT the Lake Erie Region Source Protection Committee direct staff to write a letter to the Ministry of the Environment, Conservation and Parks to ask the Ministry to provide the Committee an update at its March 31, 2022 meeting on the Committee's request under Technical Rule 119, from February 3, 2011, regarding rehabilitation activities at an aggregate operation within a vulnerable area of a municipal drinking water system that allows ponding of water in light of the amendments to the Aggregate Resources Act and how the Ministry will be responding to the February 3, 2011 request.

**Carried.**

**12. Other Business**

**13. Closed Meeting**

Not applicable.

**14. Next SPC Meeting**

March 31, 2022, 1:00pm, virtual meeting

**15. Adjourn**

The Lake Erie Region Source Protection Committee meeting of December 2, 2021 adjourned at 2:40pm.

Res. No. 45-21

**Moved By** L. Davis

**Seconded By** L. Perrin

THAT the Lake Erie Source Protection Committee meeting of December 2, 2021 be adjourned.

**Carried**



**KETTLE CREEK SOURCE PROTECTION AUTHORITY**  
**Wednesday, April 21, 2021, 10:00 a.m.**  
**Virtual**

A meeting of the Kettle Creek Source Protection Authority was held electronically on Wednesday, April 21, 2021 at 10:00 a.m. The meeting was streamed live to Facebook.

The Chair called the meeting to order and conducted a roll call with the following members identifying their presence:

**Members Present:**

Dennis Crevits	Central Elgin
Dominique Giguère	Township of Malahide
Grant Jones	Southwold Township
Stephen Harvey	Middlesex Centre
Jim Herbert	City of St. Thomas
Elizabeth Peloza	City of London
Bill Mackie	City of London
Alison Warwick	Thames Centre
Ralph Winfield	City of London

**Members Absent:**

Steve Peters	City of St. Thomas
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The following staff members were also present on the call electronically:

**Staff Present:**

Jennifer Dow	Water Conservation Supervisor
Joe Gordon	Assistant Manager/Supervisor of Planning and CAs
Jessica Kirschner	Resource Assistant
Jeff Lawrence	Forest and Soils Supervisor
Betsy McClure	Stewardship Program Supervisor
Kathleen Sebestyen-Scott	Financial Services Supervisor
Elizabeth VanHooren	General Manager/Secretary Treasurer

**Audio/Video Record Notice**

The public and members were reminded that the meeting was being recorded as noted below:

*Board members, staff, guests and members of the public are advised that the Full Authority Board/Committee meeting is being video/audio recorded, and will be posted to the Authority's web site along with the official written minutes. As such, comments and opinions expressed may be published and any comments expressed by individual Board members, guests and the general public are their own, and do not represent the opinions or comments of the Full Authority and/or the KCCA Board of Directors.*

*The recorded video of the Full Authority meeting is not considered the official record of that*

meeting. The official record of the Full Authority meeting shall consist solely of the Minutes approved by the Full Authority.

**As the meeting was conducted electronically all votes were recorded and are included in the Recorded Vote Registry.**

**Declaration of Pecuniary Interest**

There were no declarations of pecuniary interest.

**Delegations**

There were no delegations.

**Election of Officers and Administrative Approvals**

**KCSPA1/2021**

**Moved by: Stephen Harvey**

**Seconded: Elizabeth Pelosa**

That the Kettle Creek Conservation Authority Administrative By-Law Updated October 21, 2020 be adopted by the Kettle Creek Source Protection Authority.

**Carried**

**KCSPA2/2021**

**Moved by: Bill Mackie**

**Seconded: Ralph Winfield**

That the Chair, Vice Chair and all officers elected or appointed by the Kettle Creek Conservation Authority in 2021 serve in the same roles for the Kettle Creek Source Protection Authority in 2021.

**Carried**

**Minutes of Meetings**

- a) Lake Erie Regional Management Committee Meeting Minutes October 22, 2020
- b) Lake Erie Source Protection Committee Meeting Minutes January 21, 2021
- c) Kettle Creek Source Protection Authority November 18, 2020

**KCSPA3/2021**

**Moved by: Jim Herbert**

**Seconded: Alison Warwick**

That the minutes of the Lake Erie Regional Management Committee Meeting October 22, 2020 and the minutes of the Lake Erie Region Source Protection Committee Meeting January 21, 2021 be received; and further



That the minutes of the Kettle Creek Source Protection Authority of November 18, 2020 be approved.

Carried

**Correspondence**

There was no correspondence.

**New Business**

- a) Kettle Creek Annual Progress Report 2020

**KCSPA4/2021**

**Moved by: Stephen Harvey**

**Seconded: Bill Mackie**

THAT the Kettle Creek Source Protection Authority accept the Lake Erie Region Source Protection Committee comments regarding the extent to which objectives of the Kettle Creek Source Protection Plan have been achieved during the annual reporting period January 1, 2020 to December 31, 2020.

AND THAT the Kettle Creek Source Protection Authority direct Lake Erie Source Protection Region staff to submit the Kettle Creek annual report to the Ministry of the Environment and Climate Change, and any comments the Source Protection Authority wishes to make, in accordance with S.46 of the Clean Water Act, 2006 and any Director's instructions established under O.Reg. 287/07 S.52.

Carried

The meeting adjourned at 10:11 a.m.



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Elizabeth VanHooren  
General Manager/Secretary Treasurer

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Grant Jones  
Chair

**Recorded Vote Registry KCSPA1/2021 to KCSPA4/2021**

**A=Absent Y=Yes N=No**

<b>Board Member</b>	<b>KCSPA1/2021</b>	<b>KCSPA2/2021</b>	<b>KCSPA3/2021</b>	<b>KCSPA4/2021</b>
<b>Crevits</b>	Y	Y	Y	Y
<b>Giguère</b>	Y	Y	Y	Y
<b>Harvey</b>	Y	Y	Y	Y
<b>Herbert</b>	Y	Y	Y	Y
<b>Jones</b>	Y	Y	Y	Y
<b>Mackie</b>	Y	Y	Y	Y
<b>Peters</b>	A	A	A	A
<b>Pelozza</b>	Y	Y	Y	Y
<b>Warwick</b>	Y	Y	Y	Y
<b>Winfield</b>	Y	Y	Y	Y
<b>Result</b>	<b>Carried</b>	<b>Carried</b>	<b>Carried</b>	<b>Carried</b>

**DATE:** April 20, 2022  
**TO:** Kettle Creek Source Protection Authority  
**FROM:** Elizabeth VanHooren  
**SUBJECT:** Kettle Creek Annual Progress Report

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**RECOMMENDATION:**

**THAT the Kettle Creek Source Protection Authority accept the Lake Erie Region Source Protection Committee comments regarding the extent to which objectives of the Kettle Creek Source Protection Plan have been achieved during the annual reporting period January 1, 2021 to December 31, 2021.**

**AND THAT the Kettle Creek Source Protection Authority direct Lake Erie Source Protection Region staff to submit the Kettle Creek annual report to the Ministry of the Environment and Climate Change, and any comments the Source Protection Authority wishes to make, in accordance with S.46 of the Clean Water Act, 2006 and any Director's instructions established under O.Reg. 287/07 S.52.**

**SUMMARY:**

- In accordance with Ontario Regulation 287/07 s.52 Kettle Creek Source Protection Authority is required to submit an Annual Progress Report and Supplemental Form to the Director by May 1 in the year following to which the report applies.
- KCSPA Annual Progress Report was reviewed by the Lake Erie Region Source Protection Committee at their March 31, 2022 meeting. In the Committee's opinion the plan is progressing well and is on target to achieve the plan objectives.
- Based on the Source Protection Committee's recommendation, KCSPA is now charged with submitting the Annual Progress Report and Supplemental Form to the Director by May 1, 2022 with any additional comments it wishes to make.

**BACKGROUND:**

In accordance with Ontario Regulation 287/07 s.52 Kettle Creek Source Protection Authority is required to submit an Annual Progress Report and Supplemental Form to the Director by May 1 in the year following to which the report applies.

The Kettle Creek Annual Progress Report is a high-level overview the Source Protection Plan's implementation and the overall success of the program. It is meant for public consumption.

The Supplemental Form is used to collect information from implementing bodies to inform the Progress Report. The Supplemental Form contains two questions that require the Source Protection Committee's input:

- Committee's opinion on the extent to which the objectives of the plan have been achieved during the reporting period

- Comments to explain how the Committee arrived at their opinion.

Lake Erie Region Staff reviewed the results submitted by implanting bodies on the Supplement Form and formulated the Annual Progress Report. The two documents were presented at the Lake Erie Source Protection Committee Meeting on March 31, 2022.

It was the recommendation of staff that the plan is progressing well/on target as the majority of the source protection plan polices have been implemented and/or are progressing well.

Only two existing significant drinking water threats were identified in the Kettle Creek Source Protection Area when the plan took effect. Since implementation of the plan, both threats (100%) have been addressed: one no longer exists and the other is being managed through a Risk Management Plan (RMP). 86% of legally-binding plan policies that address significant drinking water threats are either implemented, in progress, or implemented because policy outcomes have been evaluated and require no further action(s); 13% of policies do not require a response/are not applicable.

At the March 31, 2022 the Lake Erie Source Protection Committee passed the following motion:

THAT the Lake Erie Region Source Protection Committee receives report SPC-22-03- 06 – Kettle Creek Annual Progress Report – for information.

THAT in the opinion of the Lake Erie Region Source Protection Committee, implementation of the Kettle Creek Source Protection Plan has progressed well and is on target towards achieving the plan objectives.

AND THAT the Lake Erie Region Source Protection Committee direct staff to finalize the draft Kettle Creek Annual Progress Report and Supplemental Form and annual reporting objectives letter for submission to the Kettle Creek Source Protection Authority for submission to the Ministry of the Environment, Conservation and Parks, along with any Source Protection Committee comments, in accordance with S.46 of the Clean Water Act, 2006 and any Director's instructions established under O. Reg. 287/07 S.52.

With the Kettle Creek Source Protection Authority's approval staff will now forward the Annual Report and Supplemental Form to the Province in advance of the May 1, 2022 deadline.

#### **RECOMMENDATION:**

**THAT the Kettle Creek Source Protection Authority accept the Lake Erie Region Source Protection Committee comments regarding the extent to which objectives of the Kettle Creek Source Protection Plan have been achieved during the annual reporting period January 1, 2021 to December 31, 2021.**

**AND THAT the Kettle Creek Source Protection Authority direct Lake Erie Source Protection Region staff to submit the Kettle Creek annual report to the Ministry of the Environment and Climate Change, and any comments the Source Protection Authority wishes to make, in accordance with S.46 of the Clean Water Act, 2006 and any Director's instructions established under O.Reg. 287/07 S.52.**

April 5, 2022

Alison Warwick, Chair, Kettle Source Protection Authority  
44015 Ferguson Line  
St. Thomas ON, N5P 3T3

Dear Ms. Warwick

### **RE: Annual Progress Reporting**

The Kettle Creek Source Protection Plan has been in effect since January 1, 2015 with the primary objective to protect current and future sources of drinking water from contamination and overuse.

In accordance with Ontario Regulation 287/07 s.52, Kettle Creek Source Protection Authority (SPA) is required to submit source protection plan annual progress reports to the Ministry of the Environment, Conservation and Parks (MECP) by May 1 of each year. The annual reports provide valuable information about the implementation of the Kettle Creek Source Protection Plan and the overall success of the program. The Kettle Creek Annual Progress Report (**Appendix A**) and Supplemental Form (**Appendix B**) reflect implementation efforts from January 1, 2021 to December 31, 2021.

On March 31, 2022 the Lake Erie Region Source Protection Committee passed the following resolution:

THAT in the opinion of the Lake Erie Region Source Protection Committee, implementation of the Kettle Creek Source Protection Plan has progressed well and is on target towards achieving the plan objectives.

AND THAT the Lake Erie Region Source Protection Committee direct staff to finalize the draft Kettle Creek Annual Progress Report and Supplemental Form and annual reporting objectives letter for release to the Kettle Creek Source Protection Authority for submission to the Ministry of the Environment, Conservation and Parks, in accordance with S.46 of the Clean Water Act, 2006 and any Director's instructions established under O. Reg. 287/07 S.52.

As such, this letter serves as a notice pursuant to the annual progress reporting administrative protocol, adopted by the Lake Erie Source Protection Region Management Committee (**Appendix C**), to submit the final Kettle Creek Annual Progress Report and Supplemental Form to the Kettle Creek Source Protection Authority.

## **Achievement of Source Protection Plan Objectives**

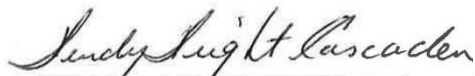
It is the opinion of the Lake Erie Region Source Protection Committee that implementation of the Kettle Creek Source Protection Plan has been progressing well and is on target towards achieving the plan objectives in this reporting period (January 1, 2021 - December 31, 2021).

Only two existing significant drinking water threats were identified in the Kettle Creek Source Protection Area when the plan took effect. Since implementation of the plan, both threats (100%) have been addressed: one no longer exists and the other is being managed through a Risk Management Plan (RMP). 86% of legally-binding plan policies that address significant drinking water threats are either implemented, in progress, or implemented because policy outcomes have been evaluated and require no further action(s); 13% of policies do not require a response/are not applicable.

The Kettle Creek SPA is now tasked with considering the provincially-required annual progress reports and submitting them to the MECP together with any comments the SPA wishes to make.

If you have any questions regarding this letter, or the Kettle Creek Annual Progress Report and Supplemental Form, please contact Ilona Feldmann at 519-621-2763 ext. 2318 or [ifeldmann@grandriver.ca](mailto:ifeldmann@grandriver.ca).

Sincerely,



Wendy Wright-Cascaden  
Chair, Lake Erie Region Source Protection Committee

Cc:  
Elizabeth VanHooren, General Manager/Secretary-Treasurer, KCCA

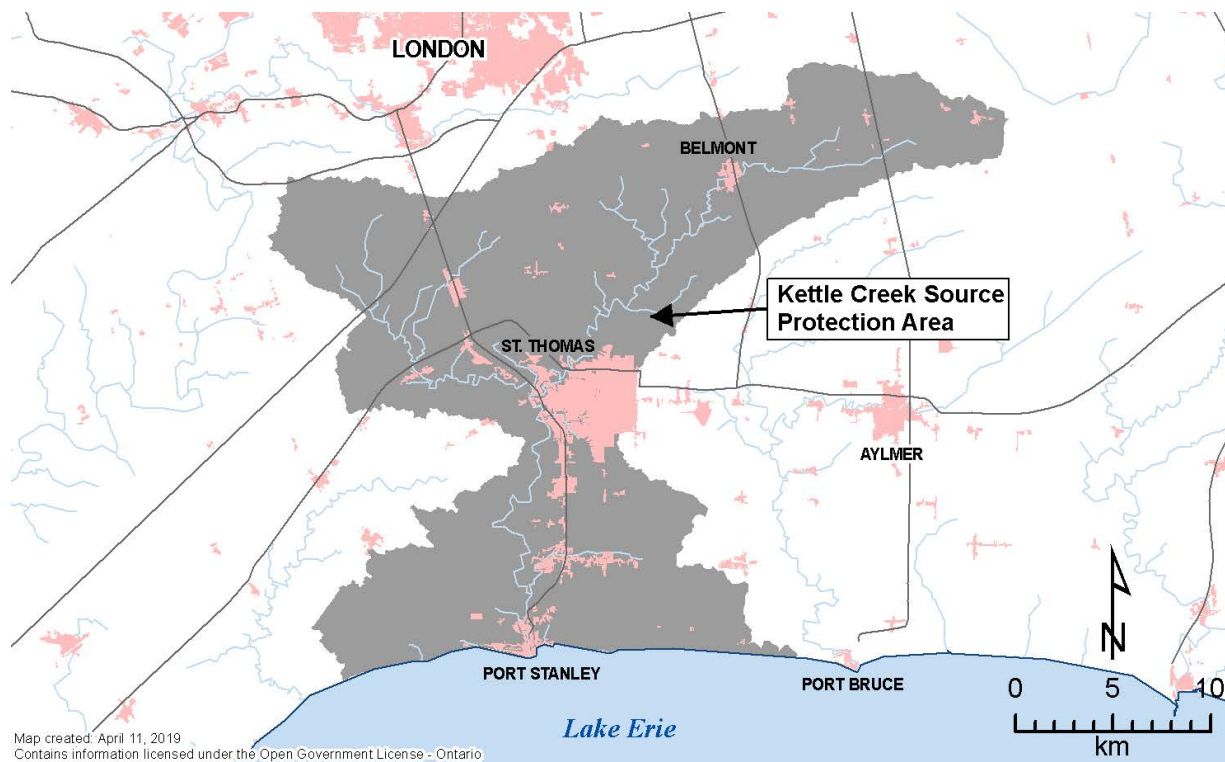
**Appendix A:**  
**Kettle Creek Annual Progress Report**

# Source Protection Annual Progress Report

## I. Introduction

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

We acknowledge and recognize the tremendous efforts made by our local municipality, stakeholders and Source Protection Committee in the development of the Source Protection Plan and implementation of Source Protection policies.





## 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.**

Only two existing significant drinking water threats were identified in the Kettle Creek Source Protection Area when the plan took effect. Since implementation of the plan, both threats (100%) have been addressed: one no longer exists and the other is being managed through a Risk Management Plan (RMP). 86% of legally-binding plan policies that address significant drinking water threats are either implemented, in progress, or implemented because policy outcomes have been evaluated and require no further action(s); 13% of policies do not require a response/are not applicable.

## III. Our Watershed

To learn more, please read our assessment report(s) and source protection plan(s). The Kettle Creek Source Protection Area (watershed) includes Kettle Creek and its tributaries. They drain 520 square kilometres of agricultural and urban lands before entering Lake Erie at Port Stanley. The area includes parts of Elgin County, Middlesex County, the City of St. Thomas, and the City of London.

The watershed has two municipal drinking water systems: two wells in Belmont and the Elgin Area Primary Water Supply System (EAPWSS) in Port Stanley.

Only two significant drinking water threat activities were identified in the Kettle Creek Source Protection Area when the plan went in to effect. Since that time, both threats have been addressed.

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

### 1. Source Protection Plan Policies

P: Progressing Well/On Target

86% of legally binding plan policies that address significant drinking water threats are either implemented, in progress, or implemented because policy outcomes have been evaluated and require no further action(s); 13% do not require a response/are not applicable.

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

Three municipalities (Malahide, Central Elgin and Thames Centre) in the Kettle Creek Source Protection Area have vulnerable areas where significant drinking water threat policies apply.

P: Progressing Well/On Target

Municipalities in the Kettle Creek Source Protection Area are required to review and update their Official Plan to ensure it conforms with the Kettle Creek Source Protection Plan the next time they undertake an Official Plan review under the Planning Act. The Municipality of Thames Centre has completed their Official Plan update; the Municipality of Central Elgin and Township of Malahide Official Plan updates are currently in progress/underway.

### 3. Septic Inspections

Not applicable as there are no on-site sewage systems requiring inspection in the Kettle Creek Source Protection Area.

### 4. Risk Management Plans

P: Progressing Well/On Target

One risk management plan has been negotiated in the Kettle Creek Source Protection Area since the source protection plan took effect. There are currently no risk management plans needed or pending.

No inspections were carried out or planned by a Risk Management Official/Inspector for prohibited or regulated activities in the 2021 annual reporting period. In the past, there has been a 100% compliance rate with the risk management plans negotiated in the Kettle Creek Source Protection Area.

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

P: Progressing Well/On Target

Ontario ministries are reviewing applications for new or amended and previously issued provincial approvals (e.g., Environmental compliance approvals issued under the Environmental Protection Act) where they have been identified as a tool in the Kettle Creek Source Protection Plan to address activities that pose a significant risk to source water. The provincial approvals are either being issued, denied, amended, or revoked, where necessary, to conform with plan policies. Kettle Creek Source Protection Plan policies set out a time line of 3 years to complete the review and make any necessary changes to previously issued approvals, the timeline for new or amended PIs has been in effect since the approval date of our plan. Thus, while ministries are implementing a review protocol to screen all (100%) applicable approval applications, they have

completed this for 100% of previously issued provincial approvals in the Kettle Creek Source Protection Area.

## 6. Source Protection Awareness and Change in Behaviour

There have been no measurable or quantifiable outcomes in this 2021 annual reporting period.

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

Policy PS-NB-8.1 has not been implemented because of communication challenges among the implementing bodies. The policy states that the municipality should provide mapping of the Intake Protection Zone (IPZ) to the Canadian Coast Guard and that the Elgin Area Primary Water Supply System Board and the Canadian Coast guard work together to develop a protocol to report boating accidents within the IPZ.

The policy is being reviewed by Lake Erie Source Protection Region staff and will be amended through a s.36 Kettle Creek Source Protection Plan update.

## 8. Source Water Quality: Monitoring and Actions

No issues have been identified in the local science-based assessment report regarding the quality of the source(s) of municipal drinking water in the Kettle Creek Source Protection Area.

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

An order was received from the Ministry on July 22, 2019 regarding the Section 36 workplan for updates to the Kettle Creek Assessment Report and Source Protection Plan.

Examples of tasks that are included in the Section 36 workplan:

- technical rule changes, e.g., review and consider Phase II Technical Rule changes for incorporation into the assessment report and source protection plan
- transport pathway changes, e.g., consider any identified transport pathways for incorporation into the assessment report and source protection plan
- climate change considerations, e.g., review and assess potential climate change additions to the technical framework and make appropriate updates as applicable to the assessment report and source protection plan.

The tasks identified in the s.36 workplan are in the process of being incorporated into a s.36 Kettle Creek Source Protection Plan update. The plan update is expected to be completed and submitted to the Ministry for review and approval in 2022.

## 10. More from the Watershed

To learn more about the Kettle Creek Source Protection Area, visit the [Lake Erie Source Protection Region website](#).

**Appendix B:**  
**Kettle Creek Annual Progress Reporting Supplemental Form**



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### Kettle Creek

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



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### Kettle Creek

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

**Comment:** All the implementing bodies selected as "No" are not applicable.



# Source Water Protection Annual Report 2021 - Supplemental Form Kettle Creek

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

**Comment:** A comment has been provided for the policy marked as "No progress made", for the implementing body that has submitted a status update to the Kettle Creek Source Protection Authority.

Report Id	Completed	Question		
30	True	Number of risk management plans agreed to or established within the source protection area/region (to address existing and future threats) in this reporting period (i.e., annual total).		
			<b>Current Year</b>	<b>Cumulative Count</b>
			0	1
<b>Provincial Total</b>			0	1
<b>Comment:</b>				





# Source Water Protection Annual Report

## 2021 - Supplemental Form

### Kettle Creek

Report Id	Completed	Question	Current Year	Cumulative Count
31	True	Number of properties (i.e., parcels) with risk management plans agreed to or established in this reporting period.	0	1
<b>Provincial Total</b>			0	1
<b>Comment:</b>				

Report Id	Completed	Question	Current Year	Cumulative Count
32	True	How many existing* significant drinking water threats have been managed through the established risk management plans in this reporting period (* meaning engaged in OR enumerated as existing significant threats)?	0	1
<b>Provincial Total</b>			0	1
<b>Comment:</b>				

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



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### Kettle Creek

Report Id	Completed	Question	Category
34	True	Since their establishment, were any risk management plans cancelled within the source protection region/area because of updates or amendments or other changes? If yes, please state how many. If no, please enter "0". Note: This count should be the cumulative count of all risk management plans that have been cancelled over any of the previous reporting years. See guidance for more details.	Part IV (Sections 57, 58 & Section 59)
<b>Answer:</b>		2	

**Comment:**

Report Id	Completed	Question
40	True	How many section 59 notices were issued in this reporting period for activities to which neither a prohibition (section 57) nor a risk management plan (section 58) policy applied, as per ss. 59(2)(a) of the Clean Water Act?

Current Year	Cumulative Count
0	0
0	0

**Provincial Total**

**Comment:**

Report Id	Completed	Question
41	True	How many section 59 notices were issued in this reporting period for activities to which a risk management plan (section 58) policy applied, as per ss. 59(2)(b) of the Clean Water Act?

Current Year	Cumulative Count
0	0
0	0

**Provincial Total**

**Comment:**



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### Kettle Creek

Report Id	Completed	Question						
50	True	For the purposes of section 61 of O. Reg. 287/07, how many notices and/or copies of prescribed instruments that state the prescribed instrument conforms with the significant drinking water threat policies in the source protection plan (i.e., statement of conformity confirms the instrument holder is exempt from requiring a risk management plan) did the risk management official receive in this reporting period?						
		<table border="1"> <thead> <tr> <th>Current Year</th> <th>Cumulative Count</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> </tbody> </table>	Current Year	Cumulative Count	0	0	0	0
Current Year	Cumulative Count							
0	0							
0	0							
<b>Provincial Total</b>								
<b>Comment:</b>								

Report Id	Completed	Question	Category
60	True	Provide a brief overview of inspections that were carried out for activities that are prohibited under section 57 or require a risk management plan under section 58 of the Clean Water Act. You may wish to include a brief summary of inspection results and an overall indication of compliance. If no inspections were conducted in the previous calendar year, please explain. [OPTIONAL]: If you wish to share any insights or feedback about the compliance process in general, please do so.	Part IV (Sections 57, 58 & Section 59)
<b>Answer:</b>		No inspections were undertaken in the Kettle Creek Source Protection Area in the 2021 annual reporting period.	
<b>Comment:</b>			

Report Id	Completed	Question						
61	True	State the total number of inspections (including any follow-up site visits) that were carried out for activities (existing or future) that are prohibited under section 57 of the Clean Water Act in this reporting period.						
		<table border="1"> <thead> <tr> <th>Current Year</th> <th>Cumulative Count</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">3</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">3</td> </tr> </tbody> </table>	Current Year	Cumulative Count	0	3	0	3
Current Year	Cumulative Count							
0	3							
0	3							
<b>Provincial Total</b>								
<b>Comment:</b>								



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### Kettle Creek

Report Id	Completed	Question	Current Year	Cumulative Count
62	True	Among the inspections conducted for section 57, how many showed that activities were taking place on the landscape even though they were prohibited (i.e., in contravention) under section 57 of the Clean Water Act in this reporting period?	0	0
<b>Provincial Total</b>			0	0
<b>Comment:</b>				

Report Id	Completed	Question	Current Year	Cumulative Count
70	True	How many existing significant drinking water threats have been prohibited as a result of section 57 prohibitions in this reporting period?	0	0
<b>Provincial Total</b>			0	0
<b>Comment:</b>				

Report Id	Completed	Question	Current Year	Cumulative Count
80	True	State the total number of inspections (including any follow-up site visits) that were carried out for activities that require a risk management plan under section 58 of the Clean Water Act in this reporting period.	0	2
<b>Provincial Total</b>			0	2
<b>Comment:</b>				



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### Kettle Creek

Report Id	Completed	Question	Current Year	Cumulative Count
81	True	Among the inspections conducted for section 58, how many were in contravention with section 58 of the Clean Water Act in this reporting period (i.e., person engaging in a drinking water threat activity without a risk management plan as required by the source protection plan)?	0	0
<b>Provincial Total</b>			0	0
<b>Comment:</b>				

Report Id	Completed	Question	Current Year	Cumulative Count
82	True	Among the inspections for section 58, how many were in non-compliance with the specific contents of the risk management plan in this reporting period? (NOTE: Please only include those inspections that showed non-compliance with measures/conditions to manage the actual threat activity.)	0	0
<b>Provincial Total</b>			0	0
<b>Comment:</b>				

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



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### Kettle Creek

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

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

Report Id	Completed	Question	Current Year	Cumulative Count
86	True	State the total number of orders issued for contraventions and/or non-compliance found with section 58 in this reporting period.	0	0
<b>Provincial Total</b>			0	0
<b>Comment:</b>				



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### Kettle Creek

**Report Id   Completed   Question**

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

Municipality	Official Plan	Zoning By Law
Municipality of Thames Centre	Completed	Completed
Township of Malahide	In Progress/Updates Underway	In Progress/Updates Underway
Municipality of Central Elgin	In Progress/Updates Underway	Not Started

**Comment:**

**Report Id   Completed   Question**

240      True      State the number of source water protection signs installed on provincial highways in the source protection region/area in this reporting period.

**Current Year   Cumulative Count**

0      0

**Provincial Total**

0      0

**Comment:**



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### Kettle Creek

Report Id	Completed	Question						
241	True	State the number of source water protection signs installed on municipal roads in the source protection region/area in this reporting period.						
		<table border="1"> <thead> <tr> <th>Current Year</th> <th>Cumulative Count</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">32</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">32</td> </tr> </tbody> </table>	Current Year	Cumulative Count	0	32	0	32
Current Year	Cumulative Count							
0	32							
0	32							
<b>Provincial Total</b>		0      32						
<b>Comment:</b>								

Report Id	Completed	Question						
242	True	State the number of source water protection signs installed at other locations (if applicable) in the source protection region/area in this reporting period.						
		<table border="1"> <thead> <tr> <th>Current Year</th> <th>Cumulative Count</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> </tbody> </table>	Current Year	Cumulative Count	0	0	0	0
Current Year	Cumulative Count							
0	0							
0	0							
<b>Provincial Total</b>		0      0						
<b>Comment:</b>								

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





# Source Water Protection Annual Report

## 2021 - Supplemental Form

### Kettle Creek

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

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

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



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### Kettle Creek

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

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



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### Kettle Creek

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



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### Kettle Creek

Report Id	Completed	Question	Category
267	True	If applicable, please indicate if any municipality(ies) has not yet established or initiated the mandatory on-site sewage system inspection program (i.e., the first inspection cycle) in your source protection region/area. As part of your response, please indicate the name of the municipality(ies), the reason(s) for not yet initiating the mandatory on-site sewage inspection program (if known) and the steps that have been taken to ensure compliance with the mandatory inspection program.	Sewage System Inspections
<b>Answer:</b>		There are no on-site sewage systems that require inspection in the Kettle Creek Source Protection Area, and therefore no on-site sewage inspection program.	
<b>Comment:</b>			

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

DWIS Number	DWIS Name	Issue	ICA Delinated	Observation
	-- No system with issues --	-- No Issue --	--Not Applicable --	-- No Observation --
<b>Comment:</b>				



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### Kettle Creek

**Report Id    Completed    Question**

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

**Current Year    Cumulative Count**

0                    0

**Provincial Total**

0                    0

**Comment:**



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### Kettle Creek

Report Id	Completed	Question	Response	Answer
281	True	Where transport pathway notices were received, indicate the action(s) taken by the source protection region/area in response to receiving these notices:		
			Provided information to municipalities about changes in vulnerability	No
			Provided notice to Source Protection Committee for information	No
			Situation continues to be monitored	No
<b>Comment:</b> No transport pathway notices were received in the 2021 annual reporting year.				



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### Kettle Creek

Report Id	Completed	Question	
300	True	[OPTIONAL]: If and where there are successful examples for each of the following initiatives in the source protection region/area (including from local municipalities, residents and businesses) that occurred in this reporting period that the authority wishes to highlight, then please indicate in the Comments field below. In your comments, please include details for each of the selected topics. Please limit the descriptions provided (e.g., one example for each topic or more could be included when the source protection authority feels they are exceptional/quite successful).	
<b>Response</b>			<b>Answer</b>
Education and Outreach (in description include details, if available, on type and percentage of target population reached, outcome(s) achieved, etc.)			No
Incentives (in description include details, if available, on outcome(s) achieved, how widely available was the incentive, etc.)			No
Stewardship Programs			No
Best Management Practices			No
Pilot Programs			No
Research			No
Specify Action (e.g., road salt management, municipal by-laws, legislative or regulatory amendments, mapping, review of fuel codes, new airport facility design standards to manage runoff of chemicals from de-icing of aircraft, instrumentation, etc.)			No
Climate Change (e.g., data collection)			No
Spill prevention/spill contingency/emergency response plan updates			No
Transport pathways			No
Water quantity			No
Great Lakes			No
Other policies (i.e., strategic action, etc.)			No
<b>Comment:</b> Kettle Creek Source Protection Authority will not be providing responses to optional questions.			



# Source Water Protection Annual Report

## 2021 - Supplemental Form

### Kettle Creek

**Report Id   Completed   Question**

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

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





# Source Water Protection Annual Report

## 2021 - Supplemental Form

### Kettle Creek

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.	1	0	0	1
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.	0	0	0	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
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



# Source Water Protection Annual Report 2021 - Supplemental Form

## Kettle Creek

1009	Waterfowl			0	0	0	0
1010	Local condition			0	0	0	0
	<b>1</b>	<b>1</b>		<b>Totals:</b>			
				<b>2</b>	<b>0</b>	<b>1</b>	<b>1</b>

**Comment:**

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

Report Id	Completed	Question	Category
310	True	Please provide comments below to explain the overall progress made in addressing these significant threats and include the percentage of overall progress made within the comments provided. The percentage of overall progress made in addressing local threats and conditions that are taking place on the landscape is determined by taking the total number in column D (i.e., significant drinking water threat addressed because policy is implemented) from the table in reportable ID 305 and dividing it by the number that is derived by adding the total numbers in columns A and B and then subtracting this sum total from the total in column C. In other words, overall progress made = D/(A plus B minus C).	Addressing existing enumerated threats
<b>Answer:</b>		The percentage of overall progress made is 100%. Only two existing significant drinking water threats were identified in the Kettle Creek Source Protection Area when the Plan took effect. Since implementation of the plan, both threats (100%) have been addressed: one no longer exists and the other was managed through a Risk Management Plan (RMP).	

**Comment:**

Report Id	Completed	Question	Category
320	True	If applicable to the assessment report in your source protection region/area, provide a summary of steps taken to further assess or implement the plans of work described in technical rule 30.1: Water Budget Tier 3 not included in your original assessment report(s).	Assessment report information gaps
<b>Answer:</b>		An order was received from the Ministry on July 22, 2019 regarding the Section 36 workplan for updates to the Kettle Creek Assessment Report and Source Protection Plan. The workplan does not include work described in technical rule 30.1: Tier 3 water budget.	

**Comment:**



# Source Water Protection Annual Report 2021 - Supplemental Form Kettle Creek

Report Id	Completed	Question	Category
321	True	If applicable to the assessment report in your source protection region/area, provide a summary of steps taken to further assess or implement the plans of work described in technical rule 50.1: GUDI for WHPA-E or F not included in your original assessment report(s).	Assessment report information gaps
<b>Answer:</b>		An order was received from the Ministry on July 22, 2019 regarding the Section 36 workplan for updates to the Kettle Creek Assessment Report and Source Protection Plan. The workplan does not include work described in technical rule 50.1: the delineation/update of a GUDI for WHPA-E or F.	
<b>Comment:</b>			

Report Id	Completed	Question	Category
322	True	If applicable to the assessment report in your source protection region/area, provide a summary of steps taken to further assess or implement the plans of work described in technical rule 116: Issue Contributing Area not included in your original assessment report(s).	Assessment report information gaps
<b>Answer:</b>		An order was received from the Ministry on July 22, 2019 regarding the Section 36 workplan for updates to the Kettle Creek Assessment Report and Source Protection Plan. The workplan does not include work described in technical rule 116: the delineation/update of Issue Contributing Areas (ICAs).	
<b>Comment:</b>			

Report Id	Completed	Question	Category
330	True	Does the source protection authority have any other item(s) on which it wishes to report? If so, please explain.	Other reporting items
<b>Answer:</b>		The two water systems (Belmont Well Supply, Elgin Area Water Supply) which are located in the Kettle Creek Source Protection Area are well protected and all the signification drinking water threats have been addressed.	
<b>Comment:</b>			



# Source Water Protection Annual Report 2021 - Supplemental Form Kettle Creek

Report Id	Completed	Question	Category
340	True	What positive outcomes (e.g., less water consumption, changes in behaviour, reduction in phosphorus and nitrogen concentrations, less chloride from road salt, reduction in algal blooms, human health protected, etc.), if any, have potentially resulted from the implementation of source protection plan policies? Please describe the outcomes below.	Source protection outcomes
<b>Answer:</b>		There have been no measurable or quantifiable outcomes over this annual reporting year.	
<b>Comment:</b>			



# Source Water Protection Annual Report 2021 - Supplemental Form Kettle Creek

Report Id	Completed	Question	
350	True	In the opinion of the Source Protection Committee, to what extent have the objectives of the source protection plan been achieved in this reporting period?	
<b>Response</b>			<b>Answer</b>
Progressing Well/On Target - The majority of the source protection plan policies have been implemented and/or are progressing well			Yes
Satisfactory - Some of the source protection plan policies have been implemented and/or are progressing well			No
Limited Progress made - A few of the source protection plan policies have been implemented and/or are progressing well			No
<b>Comment:</b>			



# Source Water Protection Annual Report 2021 - Supplemental Form Kettle Creek

Report Id	Completed	Question	Category
351	True	Please provide comments to explain how the Source Protection Committee arrived at its opinion. Include a summary of any discussions that might have been had amongst the Source Protection Committee members, especially where no consensus was reached.	Achievement of source protection plan objectives
<b>Answer:</b>		Only two existing significant drinking water threats were identified in the Kettle Creek Source Protection Area when the plan took effect. Since implementation of the plan, both threats (100%) have been addressed: one no longer exists and the other is being managed through a Risk Management Plan (RMP). 86% of legally-binding plan policies that address significant drinking water threats are either implemented, in progress, or implemented because policy outcomes have been evaluated and require no further action(s); 13% of policies do not require a response/are not applicable.	
<b>Comment:</b>			