



Kettle Creek Source Protection Authority
March 22, 2023

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 2023 serve in the same roles for the Kettle Creek Source Protection Authority in 2023.

Presentation: Source Protection Overview (VanHooren)

Minutes of Meetings

- a) Kettle Creek Source Protection Authority April 20, 20222
- a) Lake Erie Regional Management Committee Meeting November 25, 20225
- b) Lake Erie Region Source Protection Committee Meeting September 29, 20229

Recommendation: THAT the minutes of the April 20, 2022 Kettle Creek Source Protection Authority be approved, and further

That the Lake Erie Regional Management Committee Meeting of November 25, 2022 and the Lake Erie Region Source Protection Committee Meeting of September 29, 2022 be received.

New Business

- a) Kettle Creek Source Protection Plan Section 36 Update.....14

Recommendation: For Information of members.

- b) Information Item (Baldwin-Sands)

Next Meeting As required.

KETTLE CREEK SOURCE PROTECTION AUTHORITY
Wednesday, April 20, 2022, 10:39 a.m.

A hybrid meeting of the Kettle Creek Source Protection Authority was held on Wednesday, April 20, 2022 at 10:39 a.m with members and staff joining in-person and electronically. 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	In-Person
Dominique Giguère	Township of Malahide	Virtual
Grant Jones	Southwold Township	Virtual
Stephen Harvey	Middlesex Centre	Virtual
Jim Herbert	City of St. Thomas	Virtual
Bill Mackie	City of London	Virtual
Elizabeth Peloza	City of London	Virtual
Steve Peters	City of St. Thomas	Virtual
Alison Warwick	Thames Centre	In-Person
Ralph Winfield	City of London	Virtual

The following staff members were also present on the call electronically:

Staff Present:

Jennifer Dow	Water Conservation Supervisor	Virtual
Joe Gordon	Assistant Manager	Virtual
Jessica Kirschner	Resource Assistant	Virtual
Marianne Levogiannis	Public Relations Supervisor	Virtual
Betsy McClure	Stewardship Program Supervisor	Virtual
Elizabeth VanHooren	General Manager/Secretary Treasurer	In-Person

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

KCSPA1/2022

Moved by: Steve Peters

Seconded: Elizabeth Peloza

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.

Carried

Minutes of Meetings

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

KCSPA2/2022

Moved by: Grant Jones

Seconded: Bill Mackie

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.

Carried

Correspondence

There was no correspondence.

New Business

- a) Kettle Creek Annual Progress Report 2021

KCSPA3/2022

Moved by: Dennis Crevits

Seconded: Jim Herbert

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.

Carried

The meeting adjourned at 10:45 a.m.

Elizabeth VanHooren

Elizabeth VanHooren
General Manager/Secretary Treasurer

Alison Warwick
Chair

Recorded Vote Registry KCSPA1/2022 to KCSPA3/2022
A=Absent Y=Yes N=No

Board Member	KCSPA1/2022	KCSPA2/2022	KCSPA3/2022
Crevits	Y	Y	Y
Giguère	Y	Y	Y
Harvey	Y	Y	Y
Herbert	Y	Y	Y
Jones	Y	Y	Y
Mackie	Y	Y	Y
Peters	Y	Y	Y
Pelozza	Y	Y	Y
Warwick	Y	Y	Y
Winfield	Y	Y	Y
Result	Carried	Carried	Carried

LAKE ERIE SOURCE PROTECTION REGION MANAGEMENT COMMITTEE MEETING MINUTES OF November 25, 2022

The following is a summary of the virtual Lake Erie Source Protection Region Management Committee Meeting held at 1 p.m. on November 25, 2022.

Present: L. Baldwin-Sands – Chair, S. Dahmer, A. Dale, I. Feldmann, J. Ivey. S. Lawson, D. Underhill, E. Van Hooren, A. Warwick

Regrets: J. Maxwell, J. Scholten, C. White

1. Call to Order

The meeting was called to order at 1:09 p.m.

2. Review and Approval of Agenda

Moved by A. Warwick

Seconded by D. Underhill

THAT the meeting agenda for November 25, 2022 be approved as distributed.
carried

3. Declarations of Pecuniary Interests

None

4. Review and Approval of Minutes of Previous Meeting August 9, 2022

Moved by A. Warwick

Seconded by E. Van Hooren

THAT the minutes of the previous meeting of August 9, 2022 be approved.
carried

5. Correspondence

RE: Lake Erie Region Source Protection Committee's request to identify rehabilitation activities at an aggregate operation that allow the ponding of water that may introduce chemicals or pathogens into an aquifer as a local threat

Correspondence from Kirsten Corrigan, Director, Conservation and Source Protection Branch, Ministry of the Environment, Conservation and Parks to Alan Dale, Acting Chair, Lake Erie Region Source Protection Committee

Moved by E. Van Hooren

Seconded by S. Lawson

THAT the correspondence be received for information.
carried

6. Presentation

None

7. Source Protection Program Reports

a) Report 22-11-01 – Program Manager’s Update

J. Ivey introduced S. Dahmer, new Source Protection Program Manager, to the Lake Erie Region Management Committee (LERMC). A round table of introductions followed. J. Ivey provided highlights from report 22-11-01.

S. Dahmer reminded the LERMC of their role on the Lake Erie Region Source Protection Committee (SPC) and asked if members were interested in having a Conservation Authority/Source Protection Authority (SPA) update as a standing item on the SPC agenda. J. Ivey shared that CTC Source Protection Region added a standing “updates” section to their source protection committee meeting agendas. It provides an opportunity to introduce another voice. S. Dahmer could reach out to the SPA representative before each SPC meeting to discuss what could be included in the update. A. Dale was supportive of the suggestion. I. Feldmann will send email notifications reminding SPA representative when they are scheduled to provide an update to the SPC. The LERMC agreed to include a SPA update as a standing SPC agenda item.

Moved by A. Warwick

Seconded by S. Lawson

THAT report 22-11-01 Program Manager’s Report – Status Update, be received as information.

carried

b) Report 22-11-02 – Financial Update

S. Dahmer provided highlights from report 22-11-02.

Moved by D. Underhill

Seconded by E. Van Hooren

THAT the Lake Erie Source Protection Region Management Committee direct staff to finalize and submit the 2022/24 Interim Progress Report and Financial Progress Report to the Ministry of the Environment, Conservation and Parks by November 30, 2022.

carried

c) Report 22-11-03 – SPC Member Update

S. Dahmer provided highlights from report 2022-11-03.

Moved by S. Lawson

Seconded by A. Warwick

THAT the Lake Erie Source Protection Region Management Committee recommend the Grand River Source Protection Authority appoint Lauren Jones as a Six Nations representative to the Lake Erie Region Source Protection Committee;

THAT the Lake Erie Source Protection Region Management Committee recommend the Grand River Source Protection Authority appoint Nathan Wright as a Six Nations representative to the Lake Erie Region Source Protection Committee;

THAT the Lake Erie Source Protection Region Management Committee recommend the Grand River Source Protection Authority re-appoint George Schneider as an economic (aggregate) representative to the Lake Erie Region Source Protection Committee for a four-year term of appointment;

AND THAT the Lake Erie Source Protection Region Management Committee recommend the Grand River Source Protection Authority re-appoint Paul Emerson as a municipal representative for group #4 (Hamilton, Brant and Brantford) to the Lake Erie Region Source Protection Committee for a four-year term of appointment.

Carried

8. Joint Advisory Committee (JAC) Update

S. Lawson did not have an update to provide because there have not been any recent meetings.

9. Business Arising from Previous Meetings

None.

10. Update from Conservation Authorities

Long Point Region Conservation Authority

None.

Grand River Conservation Authority

S. Lawson reported that the GRCA is moving forward with category two MOU agreements, and hosted a workshop for watershed municipalities. The parks brought in around \$11 million, and the board will likely have a 60% turnover of members but the Chair and Vice-Chair will be returning.

Kettle Creek Conservation Authority

E. Van Hooren shared that KCCA is reviewing Bill 23 ERO postings and will provide comments, the board will have a 50% turnover of members and the Chair is leaving. The City of London is the biggest member municipality and they will try to get three citizen representatives on the board, but KCCA got them to appoint at least one councillor. A. Warwick shared a few words with the LERMC.

Catfish Creek Conservation Authority

D. Underhill shared that CCCA is also reviewing Bill 23 ERO postings and will provide comments. CCCA's preliminary budget is approved, and staff are preparing for flood season and working on phase two transition period requirements and capital projects.

11. New Business

None.

12. Date of Next Meeting

Next meeting date will likely be in April 2023.

13. Adjourn

The meeting adjourned at 1:34p.m.

Moved by A. Warwick

Carried

LAKE ERIE REGION SOURCE PROTECTION COMMITTEE MEETING MINUTES

Date: September 29, 2022
Time: 1:00 pm
Location: GRCA Zoom Virtual Meeting
Link to be distributed via email prior to meeting
Chair: A. Dale (acting)
Members present: L. Dickson, A. Domaratzki, P. Emerson, A. Henry, E. Hodgins, K. Hunsberger, M. Jauernig, R. Krueger, L. Perrin, P. Rider, G. Schneider, J. Sepulis, B. Strauss, P. Wilson, B. Whitwell
Members absent: L. Davis, J. Kirchin, I. Macdonald, R. Taylor, B. Ungar
Liaisons: B. Forrest (Provincial Liaison), D. Underhill (Source Protection Authority Liaison)
Proxy representatives: P. Emerson (A. Dale), E. Hodgins (J. Kirchin), R. Krueger (I. Macdonald, G. Schneider (B. Ungar)
Staff: I. Feldmann, E. Hayman, J. Ivey, 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.

A. Dale called the meeting to order at 1:03 pm.

2. Roll Call and Certification of Quorum – 14 Members plus Chair Constitute Quorum

The Recording Secretary called the roll and certified quorum with 19 members present.

3. Chair's Remarks

A. Dale shared that M. Keller has taken a position at Conservation Halton. J. Ivey, Manager, Water Resources at Grand River Conservation Authority (GRCA) will continue to provide support to the Lake Erie Region Source Protection team until a new Program Manager is in place. E. Hayman, Lake Erie Region

Hydrogeologist, is leaving for a position at the Region of Waterloo. A. Dale thanked E. Hayman and wished her well.

As Acting Chair, A. Dale is a non-voting member but still holds his public interest seat. P. Emerson will act as proxy for A. Dale for this Lake Erie Region Source Protection Committee (SPC) meeting.

The Ministry of the Environment, Conservation and Parks (MECP) has initiated the process to appoint new SPC chairs for seven Source Protection Regions. The online application period closes on October 3, 2022. A. Dale will resign as public interest representative if he is appointed Chair of the Lake Erie Region SPC; if another individual is appointed Chair, then A. Dale will revert back to a public interest representative.

The Ministry of Natural Resources and Forestry (MNRF) has been designated as the Ministry responsible for administering the Conservation Authorities Act. Administration of the Source Protection Program under the Clean Water Act, 2006, will remain within the MECP.

The SPC's long-standing request to consider rehabilitation activities at an aggregate operation within a vulnerable area of a municipal drinking water system that allows the ponding of water, as a local threat, has been denied by the MECP. The letter from the MECP is not included in this agenda but will be included in the January 19, 2023 SPC agenda. Lake Erie Region staff will review the letter in more detail to prepare for a discussion at the January 2023 meeting.

4. Updates

4.1 Update from Elizabeth Forrest, Ministry of the Environment, Conservation and Parks Liaison Officer

E. Forrest shared that there are seven vacant SPC chair positions across the Province. Another 12 chairs have asked to be re-appointed. The length of time it takes for new chairs to be appointed varies. The MECP is required to reach out to Source Protection Authorities to request recommendations for a new chair. The MECP will make the requests after the postings close. The Minister may consider SPA recommendations when making a decision.

E. Forrest reiterated that although the MNRF is now administering the Conservation Authorities Act, there is no indication that the Source Protection Program is moving.

The MECP released a Best Practices for Source Water Protection document in 2022 to help protect water sources and drinking water systems that are not included in a source protection plan or regulated

under the Clean Water Act, 2006. The MECP has launched a pilot project with First Nations communities using the best practices guidance. The MECP will be choosing five to seven communities for the pilot with a focus on Northern Ontario

5. Review of Agenda

Res. No. 23-22

Moved By P. Emerson
Seconded By A. Henry

THAT the agenda of September 29, 2022 be approved as distributed.

Carried

6. Declarations of Pecuniary Interest

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

7. Minutes of the Previous Meeting

Res. No. 24-22

Moved By B. Strauss
Seconded By J. Sepulis

THAT the minutes of the previous meeting on June 16, 2022 be approved as circulated.

Carried

8. Hearing of Delegations

None.

9. Presentations

None.

10. Correspondence

None.

11. Reports

11.1 SPC-22-09-01 Source Protection Program Update

J. Ivey presented report SPC-22-09-01.

Res. No. 25-22

Moved By J. Sepulis
Seconded By L. Perrin

THAT the Lake Erie Region Source Protection Committee receives report SPC-22-09-01 – Source Protection Program Update – for information.

Carried

11.2 SPC-22-09-02 S.36 Draft Updated Catfish Creek Assessment Report and Source Protection Plan

I. Feldmann presented report SPC-22-09-02.

Res. No. 26-22

Moved By L. Dickson
Seconded By A. Henry

THAT the Lake Erie Region Source Protection Committee receives report SPC-22-09-02 – S.36 Draft Updated Catfish Creek Assessment Report and Source Protection Plan – for information.

AND THAT the Lake Erie Region Source Protection Committee direct staff to release the Draft Updated Catfish Creek Assessment Report and Source Protection Plan for a 33-day pre-consultation period.

Carried

11.3 SPC-22-09-03 S.34 Draft Updated Grand River Assessment Report and Source Protection Plan: Townships of Amaranth, East Garafraxa and Melancthon

E. Hayman presented report SPC-22-09-03.

Res. No. 27-22

Moved By J. Sepulis
Seconded By B. Strauss

THAT the Lake Erie Region Source Protection Committee receives report SPC-22-09-03 – S.34 Draft Updated Grand River Assessment Report and Source Protection Plan: Townships of Amaranth, East Garafraxa and Melancthon – for information.

AND THAT the Lake Erie Region Source Protection Committee direct staff to release the Draft Updated Grand River Assessment Report and Source Protection Plan for a 33-day pre-consultation period.

Carried

12. Business Arising from Previous Meetings

12.1 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.

A. Dale reminded members that the MECP's denial of the SPC's request will be discussed at the January 19, 2023 SPC meeting.

13. Other Business

None.

14. Closed Meeting

Not applicable.

15. Next SPC Meeting

January 19, 2023 1:00 pm

16. Adjourn

The meeting was adjourned at 1:36 pm.

Res. No. 28-22

Moved By L. Perrin

Seconded By P. Emerson

THAT the Lake Erie Source Protection Committee meeting of September 29, 2022 be adjourned.

Carried

DATE: March 22, 2023
TO: Kettle Creek Source Protection Authority
FROM: Elizabeth VanHooren
SUBJECT: Kettle Creek Source Protection Plan Section 36 Update

RECOMMENDATION:

For the information of members.

SUMMARY:

- The Kettle Creek Source Protection Plan was originally approved by the Ministry of Environment Conservation and Parks (MECP) on September 8, 2014. It contains policies to protect sources of drinking water against existing and future drinking water threats prescribed in the Clean Water Act, 2006 within the Kettle Creek watershed.
- An order from the MECP dated July 22, 2019 requires the Grand River Source Protection Authority (GRCA), the lead authority in the Lake Erie Source Protection Region, to address items identified in the Kettle Creek Section 36 work plan specifically to deal with Hydrocarbon Pipelines.
- This is the first time the Kettle Creek Source protection Plan is being amended since it came into effect in 2015.
- A Pre-consultation of the draft plan ended on February 28, 2023. GRCA will be incorporating comments from the pre-consultation into an updated draft that will be circulated for a public consultation period (April 5 – May 9, 2023).
- A final draft of the updated Source Protection Plan will be brought to the Kettle Creek Source Protection Authority on April 19, 2023 for final approval for submission to the Minister.

BACKGROUND:

The Kettle Creek Source Protection Plan (plan) was approved on September 8, 2014 and came into effect on January 1, 2015. An order was issued under section 36 of the Clean Water Act, 2006 (Act) to the Grand River Source Protection Authority (SPA) by the Minister of the Environment and Climate Change (now Minister of the Environment, Conservation and Parks) on September 8, 2014. The order required the lead SPA to prepare and submit a work plan to the ministry by November 30, 2018. Section 36 is intended to ensure that assessment reports and source protection plans undergo a comprehensive review and update on a periodic basis. Lake Erie Region staff developed and submitted a work plan for review and update of the Kettle Creek plan to the MECP in 2018. An amended order was received on July 22, 2019 from MECP

directing the SPA and the Lake Erie Region Source Protection Committee (SPC) to update the Kettle Creek plan to address work plan items listed in the order.

This is the first time the Kettle Creek Source Protection Plan is being updated since it came into effect in 2015. The Plan has two parts: Volume 1 provides the context for the plan; Volume 2 contains the source protection plan policies. An Explanatory Document explains the reasoning behind the different policies in the plan and an Assessment Report explains the scientific and technical basis for the plan.

The following is a summary of the proposed updates to the various elements of the Source Protection Plan that are being proposed:

Updates to the Assessment Report

Section 1 – Introduction

- Revisions to Overview of Source Protection Risk Assessment to align with the text of other Lake Erie Region assessment reports.

Section 2 – Watershed Characterization

- Revisions to incorporate current information on groundwater and surface water quality across the Kettle Creek watershed.
- Revisions to text and figures to incorporate current climate data for the Kettle Creek watershed

Section 4 – Water Quality Risk Assessment

- Removal of reference to vulnerable scoring in significant groundwater recharge areas in accordance with changes to Director Technical Rules (2021).
- Minor revisions to details of the Belmont Water Supply System.
- Removal of significant drinking water threat storage of fertilizer from Elgin Area Water Supply System, which resulted in removal of the associated events-based area IPZ-3.
- Addition of text discussing the Elgin Area Water Supply System current water quality concerns (Harmful Algal Blooms and Low Dissolved Oxygen and Manganese).
- Addition of Climate Change Vulnerability Assessment for the Elgin Area Water Supply System.

Section 5 – State of Climate Change Research in the Lake Erie Source Protection Region:

- Revisions to include current climate change research within the Lake Erie basin.
- Addition of Consideration of Climate Change Vulnerability Assessment Tool in the Kettle Creek Source Protection Area.

Sections 7 and 8 – Conclusions and References:

- Revisions to conclusion section to reflect changes in this assessment report noted above.

- Addition of source information to reference section to reflect new information added to this assessment report.

Updates to the source protection plan

The Kettle Creek plan policies were reviewed and revised as part of the s.36 update. The revisions are primarily in response to the 2021 changes to the Director’s Technical Rules and the incorporation of draft policies that address prescribed drinking water threat activity: the establishment and operation of a liquid hydrocarbon pipeline. Policy revision and proposed new policies were developed in consultation with municipal staff, MECP, liquid hydrocarbon pipeline regulators and owners. Revisions include:

Section 3.2 – Watershed-Wide Source Protection Plan Policies:

- Addition of new administrative policy (implementation and timing) regarding when plan updates come into effect.
- Revisions to incentive policy regarding the Ontario Drinking Water Stewardship Program, administrative (implementation and timing) policy, and specify action policy regarding source protection signs.
- Minor amendments to monitoring policies.

Section 3.3 – Village of Belmont Source Protection Plan Policies

- Revisions to Part IV, prescribed instrument and education and outreach policies to align with the 2021 Director’s Technical Rules.
- Addition of new Part IV Risk Management policy and liquid hydrocarbon pipeline policies.
- Removal of specify action policy regarding chemicals used in the de-icing of aircraft.

Section 3.4 – The Elgin Area Primary Water Supply System Source Protection Plan Policies:

- Revisions to Part IV policies to align with the 2021 Director’s Technical Rules.
- Revision to specify action policy regarding accidents that may affect the drinking water treatment system and/or water quality within or near the intake.
- Addition of liquid hydrocarbon pipeline policies.

Staff are satisfied that the proposed amendments will continue to support efforts to reduce the risks of contaminants entering the drinking water system. Comments received during the pre-consultation process and public consultation process will be brought forward in future reports.

The draft Kettle Creek Source Protection Plan is available at the following address.

<https://apps.grandriver.ca/GetFile/File.aspx?id=2419&key=bbbf63ba11d16c0038caaec24550eb8ded429a7b>

The public consultation period will run from April 5, 2023 to May 9, 2023.

RECOMMENDATION: For information of members.

Kettle Creek Source Protection Area

DRAFT UPDATED ~~APPROVED~~ SOURCE PROTECTION PLAN

VOLUME II

Prepared on behalf of:
Lake Erie Region Source Protection Committee

Under the Clean Water Act, 2006
(Ontario Regulation 287/07)

January 19~~8~~, 2023~~14~~

SECTION 51 DOCUMENT AMENDMENTS

Amendments to this document, made under Ontario Regulation 287/07, Section 51 following approval on September 8, 2014, are summarized below:

- February 21, 2017: amendment includes updated text to reflect implementation of [new provincial Source Water Protection Threats Tool](#).
- January 25, 2022: amendments include updated text, tables, and figures in compliance with the Accessibility for Ontarians with Disabilities Act, 2005.

This project has received funding from the Government of Ontario.



SECTION 36 DOCUMENT AMENDMENTS

The following is a high-level summary of amendments made to the Kettle Creek Source Protection Plan, under Ontario Regulation 287/07, Section 36.

Amendments were made using the 2021 Technical Rules. Sections of the Source Protection Plan that were not updated as part of this Section 36 amendment refer to the 2009 versions of the Director's Technical Rules and Tables of Drinking Water Threats.

Section 3.2 – policy revisions: KCSPA-1.1, KCSPA-NB-1.6, KCSPA-CW-1.7, KCSPA-CW-1.9, KCSPA-CW-1.10, KCSPA-CW-1.11, KCSPA-CW-1.12, KCSPA-CW-1.12, KCSPA-NB-1.13, KCSPA-CW-1.16

Section 3.2 – new policies: KCSPA-1.1.1

Section 3.3 – policy revisions: BE-CW-2.1, BE-CW-2.2, BE-MC-3.1, BE-MC-3.2, BE-MC-3.3, BE-CW-4.1, BE-NB-6.1

Section 3.3 – new policies: BE-CW-2.3, BE-NB-5.1, BE-NB-5.2, BE-NB-5.3, BE-NB-5.4

Section 3.3 – policy removal: BE-NB-5.1

Section 3.4 – policy revisions: PS-CW-7.1, PS-CW-7.2, PS-NB-8.1

Section 3.4 – new policies: PS-NB-9.1, PS-NB-9.2, PS-NB-9.3, PS-NB-9.4

Section 3.7: revised Schedule A: Municipality of Central Elgin, Village of Belmont Water Supply

Section 3.8: revised Schedule B: Municipality of Central Elgin, Elgin Area Primary Water Supply System

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Maps were prepared by the Grand River Conservation Authority for the Lake Erie Source Protection Region.

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1.0 INTRODUCTION

The Kettle Creek Source Protection Plan is a document that contains policies to protect sources of drinking water against existing and future drinking water threats prescribed in the Clean Water Act, 2006 within the Kettle Creek watershed.

The Source Protection Plan is comprised of two volumes and accompanied by an Explanatory Document. This second volume of the Kettle Creek Source Protection Plan contains the Source Protection Plan policies. The policies are assigned a legal effect and direct implementing bodies to comply with, conform with, or have regard to these policies. Some policies are non-~~legally~~ binding.

Below is a brief description of what is included in Volume I and the Explanatory Document.

Volume I

Volume I of the Source Protection Plan provides the context for the Plan, which includes a brief history of source protection planning and the Clean Water Act, 2006, Source Protection Plan objectives, and a description of the watershed/source protection area.

The Kettle Creek Source Protection Area ~~Updated~~ Assessment Report, originally approved by the Ministry of the Environment on ~~October 7, 2010, May 15, 2014,~~ is a key component of the Source Protection Plan. The Assessment Report forms the basis of the Source Protection Plan and provides information, including mapping, for understanding its objectives and policies. Further updates have been made to the Assessment Report following the 2010 approval. These revisions were incorporated into updated Assessment Reports which were submitted to the Ministry for their review and approval. The Ministry of the Environment and Climate Change approved the most recently updated Kettle Creek Assessment Report on May 15, 2014.

New information has since been added to the draft Updated Kettle Creek Assessment Report which will be posted for a 35-day public consultation period from April 5 to May 9, 2023. The full report can be found on the [Lake Erie Source Protection Region website](#).

Explanatory Document

Section 40 of O. Reg. 287/07 under the Clean Water Act, 2006 requires an Explanatory Document be prepared and submitted with the Source Protection Plan. The Explanatory Document is not part of the Source Protection Plan; however, it provides interested parties with the rationale used by the policy makers when developing the Source Protection Plan policies. Further, the Explanatory Document summarizes the key factors considered when selecting policy approaches.

1.1 Source Protection Plan- Legal Effect

As required by the Clean Water Act, 2006, the Source Protection Plan policies must identify who or what agency will be responsible for implementation. The legal effect describes whether there is an obligation for the responsible party to implement the

policy. Three factors determine the legal effect of a policy: 1) the policy tool, 2) the threat ranking (significant / moderate / low), and 3) the implementing body. For example, a specify action policy could direct a municipality to comply with the policy, whereas a Provincial Ministry would not be legally bound to comply with the policy. This information is presented in the Legal Effect Matrix, included in Appendix C of Volume I.

Part III (Effect of Source Protection Plans) of the Clean Water Act, 2006 gives the Source Protection Plan and its policies their various legal effects. Within Part III, certain provisions require specific statutory decisions to conform to or comply with the significant threat policies; therefore, the implementing bodies have an obligation to implement the Source Protection Plan policies. The Ministry of the Environment, **Conservation and Parks** provided direction under Section 34 of O. Reg. 287/07 to ensure a consistent method of identifying the policies' legal effect under one or more provisions of Part III of the Clean Water Act, 2006. The following is included in **APPENDIX A** of Volume II.

List A Significant threat policies that affect decisions under the Planning Act and Condominium Act, 1998

List B Moderate and low threat policies that affect decisions under the Planning Act and Condominium Act, 1998

List C Significant threat polices that affect prescribed instrument decisions

List D Moderate and low threat policies that affect prescribed instrument decisions

List E Significant threat policies that impose obligations on municipalities, source protection authorities and local boards

List F Monitoring policies referred to in Subsection 22(2) of the Clean Water Act, 2006

List G Policies related to Section 57 of the Clean Water Act, 2006

List H Policies related to Section 58 of the Clean Water Act, 2006

List I Policies related to Section 59 of the Clean Water Act, 2006

List J Strategic Action policies

List K Significant threat policies targeted to bodies other than municipalities, local board or source protection authorities for implementation

In addition to the lists above, two tables are included which identify the type of prescribed instrument that the policy affects, in relation to Lists C and D, and a summary of all the policies with respect to the above lists. These tables are presented in **APPENDIX B** of Volume II.

The Clean Water Act, 2006 identifies policy tools to address the prescribed drinking water threats identified in O. Reg. 287/07. This Volume contains the policies developed to address existing and future drinking water threats within the Kettle Creek Source Protection Area.

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2.0 HOW TO READ THE SOURCE PROTECTION PLAN POLICIES

There are two municipal drinking water systems located in the Kettle Creek Source Protection Area. The following is a brief description of each of the two municipal drinking water systems to provide additional context to the policies outlined below. Further information and rationale is included in Volume I of the Source Protection Plan and in the Explanatory Document.

2.1 Policy Format

The policies in the Kettle Creek Source Protection Plan are organized by:

- Watershed-Wide Source Protection Plan Policies
 - Kettle Creek Source Protection Area
- Drinking water system
 - Village of Belmont Wellhead Protection Areas (WHPA)
 - Elgin Area Primary Water Supply Intake Protection Zones (IPZ)

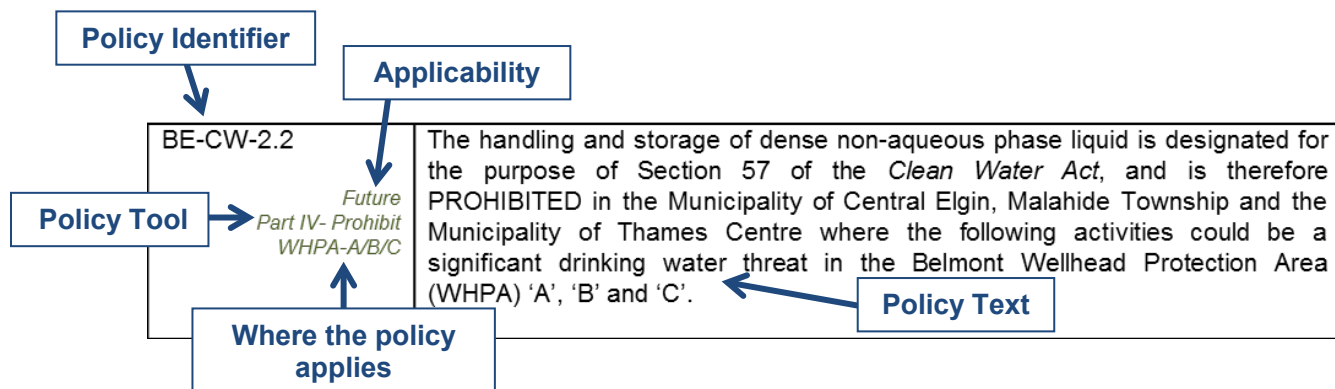
For the Village of Belmont, each policy addresses significant drinking water threats as per the ~~Ministry of the Environment, Conservation and Parks's~~ Technical Rules (2021) under the Clean Water Act, 2006. ~~Tables of Drinking Water Threats.~~ Drinking water threats are also available through the [Source Water Protection Threats Tool](#). In most cases, the ~~Ministry of the Environment's~~ Prescribed Drinking Water Threat is stated within the policy and it is understood that this will include all sub-threats as listed in the Source Water Protection [Threats Tool Information Portal](#). These prescribed drinking water threats are also described in the Source Protection Plan- Volume I.

For the Elgin Area Primary Water Supply, events based modeling was completed for two of the ~~Ministry of the Environment's~~ Prescribed Drinking Water Threats: the handling and storage of fuel, and the handling and storage of commercial fertilizer. There are two areas where modelling has been completed and policies apply. One area in Port Stanley Harbour and the other around the Elgin Area Primary Water Supply System water treatment plant. The vulnerability scoring for the Intake Protection Zones was such that significant drinking water threats were not identified in the Assessment Report outside of the two identified areas. Therefore, the only significant drinking water threat policies that apply to this system are for those areas which were modeled. The policies listed below are limited to the geographic areas in which the modelling demonstrated the activity was a significant drinking water threat as presented in **Schedule B** of Volume II. Further information can be found in Volume I and in the Assessment Report.

In some cases, policies have been included in this Source Protection Plan, even though it is in the opinion of the municipalities and the Source Protection Committee that certain activities are unlikely to occur in the future. Policies addressing potential future drinking water threats are required to be included in the Source Protection Plan, as per the objectives outlined in the Clean Water Act, 2006.

To aid the policy reader, policies are presented in a standard format (Figure 1).

Figure 1: Example of a Source Protection Plan Policy



2.2 Policy Identifier

To assist the reader, an identifier has been used for each policy. The identifier specifies the system/ policy location, legal effect and the associated policy number (e.g., BE-CW-1.0).

The system/ policy location is identified first:

- BE – Village of Belmont Water Supply
- PS – Elgin Area Primary Water Supply System (Port Stanley)
- KCSPA – Kettle Creek Source Protection Area

The legal effect follows the policy number and is designated as follows:

- CW – Comply With
- MC – Must Conform
- NB – Non-~~legally~~ Binding

Each policy is numbered sequentially.

Significant threat policies address existing drinking water threats, potential future threats, or both. The policy text also includes the agency responsible for implementation.

2.2.1 Legal Effects

A description of the legal effects is presented below. The associated legal effect policy matrix is presented in Volume I of this Source Protection Plan.

The policies in the Source Protection Plan have one of three types of legal effect – “must conform/comply with” policies, “have regard to” policies, and “non-~~legally~~ binding” policies. The following is an explanation of which policies fall under each legal effect provision. The appendices of the Source Protection Plan also contain Policy Lists, ensuring that the Source Protection Plan policies are designated the appropriate legal effect provision as outlined in the Clean Water Act, 2006. Specific reference to these lists is included in the definitions below, where applicable.

Must Conform (MC) / Comply With (CW)

- The Clean Water Act, 2006 requires municipalities, local boards or source protection authorities to comply with any obligations imposed on it to address a significant drinking water threat/condition, regardless of the particular tool or approach used in the policy (List E).
- The Clean Water Act, 2006 requires decisions under the *Planning Act* and *Condominium Act* to conform with significant drinking water threat (activity/condition) policies (List A).
- The Clean Water Act, 2006 requires decisions related to prescribed instruments to conform with significant drinking water threat (activity/condition) policies (List C).
- Persons carrying out significant threat activities must comply with policies that use Part IV powers under the Clean Water Act, 2006.
- The Source Protection Plan must designate a public body¹ to carry out monitoring required by the Clean Water Act, 2006 and these public bodies must conform with the obligations set out in the monitoring policies (List F).

¹ Public body is defined in Section 2 of the CWA and means “a municipality, local board or conservation authority, a ministry, board, commission, agency or official of the Government of Ontario, or a body prescribed by the regulations”. Based on this definition, a commission like the Niagara Escarpment Commission is a public body, whereas any federal government ministry and the Technical Standards and Safety Authority (TSSA) are not.

Non Binding (NB)

The Source Protection Plan includes other types of policies that, while the Source Protection Committee may determine are important to achieving the Plan’s objectives, are not given legal effect by the Clean Water Act, 2006. These may include:

- Significant, moderate and low drinking water threats and/or condition policies to be implemented by bodies other than municipalities, local boards or source protection authorities, and which do not rely on Part IV or the Clean Water Act, 2006, prescribed instruments or Planning Act and Condominium Act tools.
- Other permitted policies governing:
 - Incentive programs and education & outreach programs, not aimed towards a specific threat activity or Condition including those for systems not in Terms of Reference
 - The update of spills prevention, contingency or response plans along highways, railways or shipping lanes
 - Climate conditions data collection
 - Transport pathways in WHPA or IPZ.
- Optional monitoring policies (i.e. moderate/low drinking water threats in areas where the threat could never become significant and monitoring of other permissible plan policies) to be implemented by bodies other than municipality, local boards or source protection authorities.

Not all policy options mentioned above have been included in the Kettle Creek Source Protection Plan. Volume I provides additional detail on optional content and what has, and has not, been included in the Source Protection Plan.

2.3 Sidebar

Information is provided in a sidebar below the Policy Identifier to provide a quick reference for the reader when reviewing the Source Protection Plan policies. The sidebar does not form part of the Source Protection Plan Policies and specifies the following:

- Whether the policy will apply to existing activities, future activities, or both.
- The policy tool that is being applied to manage or prohibit the activity (a summary of the policy tools is presented in Volume I of this Source Protection Plan).
- The vulnerable area where the policy will apply, including the vulnerability score, if applicable.

The following acronyms were used to present this information:

- IPZ: Intake Protection Zone where significant threats apply as presented in **Schedule B**;
- WHPA: Wellhead Protection Area where significant threats apply as presented in **Schedule A**;
- Part IV- RMP: Part IV of the Clean Water Act, 2006, Risk Management Plan;
- Part IV- RLU: Part IV of the Clean Water Act, 2006, Restricted Land Use;
- Prescribed Instr.: Prescribed Instrument (e.g., Environmental Compliance Approval); and
- -v. #: Applicable vulnerability score where the policy will apply.

2.4 Policy Applicability Mapping

Policy applicability mapping has been provided in the Schedules to aid the reader in determining where Source Protection Plan policies apply. This mapping is based on the ~~Approved~~ Assessment Report mapping, modified to indicate where the Source Protection Plan policies may apply, based on the ~~Ministry of the Environment, Conservation and Parks~~ Technical Rules (2021) -under the Clean Water Act, 2006. Drinking water threats are also available through the [Source Water Protection Threats Tool](#).

The purpose of this mapping is to provide a summary of the circumstances presented in the ~~2021 Technical Rules~~ ~~Tables of Drinking Water Threats~~ only. As indicated on the Policy Applicability Map, each vulnerability score is associated with a colour. This colour is then reflected in the summary table provided on the map to indicate which potential drinking water threats would apply to a specific location.

To determine if a policy applies, the policy text, the Assessment Report mapping, and the ~~Source Water Protection Threats Tool~~ ~~Tables of Drinking Water Threats~~ (specific circumstances) should be consulted. A summary on how to read the Source Protection Plan is provided in Volume I.

~~The Tables of Drinking Water Threats, Clean Water Act, 2006 and the Approved Assessment Report are available through on the [Lake Erie Source Protection Region website](#).~~

2.5 Monitoring of Significant Drinking Water Threat Policies

Activities that are or would be significant drinking water threats must be monitored and the effectiveness of the policy at addressing a significant drinking water threat must be evaluated. This evaluation will help the Source Protection Committee determine if the threat policy is effective and/ or if revisions to the policy(ies) would be required in future updates of the Source Protection Plans. The same monitoring policy may be used to monitor one or more drinking water threat policies.

3.0 KETTLE CREEK SOURCE PROTECTION PLAN POLICIES

The following Kettle Creek Source Protection Plan policies ~~apply~~ will be implemented in the vulnerable areas identified in the Belmont Wellhead Protection Area (WHPA) and the Elgin Area Primary Water Intake Protection Zone (IPZ) as presented in Schedules A and B of Volume II.

3.1 Definitions

General definitions are provided in Volume I of the Kettle Creek Source Protection Plan or in the Clean Water Act, 2006. The following definitions are included to aid the reader in understanding the source protection policies and where and when they apply. The definitions shall apply only to the Kettle Creek Source Protection Area where the drinking water threat policies apply. Defined terms are intended to capture both the singular and plural forms of these terms.

Existing – means:

- existing drinking water threat activities as enumerated in the approved Assessment Report;
- legally established as of the effective date set by the Minister for this Source Protection Plan; or
- improvements, expansions and/or extensions and enlargements to legally established activities provided the improvement, expansion and/or extension and enlargement either improves or does not increase the threat to drinking water.

New or Future - means a use or activity that is not existing, as defined in this Source Protection Plan.

3.2 Watershed-Wide Source Protection Plan Policies

Policy number	Implementation and Timing
KCSPA-1.1 Implement. & Timing	Except as set out below, the policies contained in this Source Protection Plan shall come into effect on the effective date set by the Minister. a. For Section 57 of the Clean Water Act, 2006, if an activity was engaged in at a particular location before the relevant policies within this Source Protection Plan took effect, policies regarding prohibited activities do not apply to a person who engages in the activity at that location until 180 days from the date the Source Protection Plan takes effect;

Policy number	Implementation and Timing
	<p>b. For Section 58 of the Clean Water Act, 2006, if an activity was engaged in at a particular location before the relevant policies within this Source Protection Plan took effect and the Risk Management Official gives notice to a person who is engaged in the activity at that location that, in the opinion of the Risk Management Official, policies regarding regulated activities should apply to the person who engages in the activity at that location on and after a date specified in the notice that is at least 120 days after the date of the notice;</p> <p>c. For Section 59 of the Clean Water Act, 2006, policies regarding Restricted Land Uses shall take effect the same day the relevant policies within the Source Protection Plan takes effect;</p> <p>d. Where the Source Protection Policies require the Municipality of Central Elgin to develop and implement education and outreach programs as the primary tool for managing or eliminating a particular significant threat, where such programs are deemed necessary and/or appropriate by the Municipality of Central Elgin, such programs shall be developed and implemented within five (5) years from the date the relevant policies within Source Protection Plan takes effect;</p> <p>e. For Section 43 of the Clean Water Act, 2006, if an activity was engaged in at a particular location before the relevant policies within this Source Protection Plan took effect, amendments to Prescribed Instruments shall be completed within three (3) years from the date the Source Protection Plan takes effect; and</p> <p>f. For Section 40 and 42 of the Clean Water Act, 2006, the Official Plan and Zoning By-Laws within the Municipality of Central Elgin, Malahide Township, the Municipality of Thames Centre and County of Elgin must be amended to conform with the significant threat policies and adopted by municipal council within five (5) years of the effective date of the relevant policies within from the date the Source Protection Plan takes effect or at the time of the next Official Plan and Zoning By-Law conformity exercise as per Section 26 of the <i>Planning Act</i>.</p>
<p>KCSPA-CW-1.1.1 Implement. &</p>	<p>This source protection plan came into effect on January 1, 2015, the effective date specified in the Notice of Approval posted on the Environmental Bill of Rights Registry. Amendments to the Source Protection Plan are permitted in accordance with the Clean Water Act,</p>

Policy number	Implementation and Timing
Timing	2006, and the General Regulations. The effective date for amended policies, only including but not limited to the addition of new drinking water threats and regulated areas and activities, is the date of posting of the Notice of Approval of the amendment provisions on the Environmental Bill of Rights Registry.

Policy Number	Uses and Areas Designated as Restricted Land Uses
KCSPA-CW-1.2 Part IV- RLU	In accordance with Section 59 of the Clean Water Act, 2006, all land uses where significant drinking water threat activities have been designated for the purpose of Section 57 or Section 58 of the Clean Water Act, 2006 are hereby designated as Restricted Land Uses and a written notice from the Risk Management Official shall be required prior to approval of any Building Permit, Planning Act or Condominium Act application.

Policy Number	Official Plan and Zoning By Law Amendment(s) Policies
KCSPA-MC-1.3 Future Land Use Planning	The Municipality of Central Elgin, Malahide Township and the Municipality of Thames Centre shall amend their Official Plan and Zoning By-Laws to: <ul style="list-style-type: none"> a. Identify the vulnerable areas in which drinking water threats prescribed under the Clean Water Act, 2006 would be significant; b. Indicate that within the areas identified, any land use or significant drinking water threat activity that is, or would be, a significant drinking water threat is required to conform with all applicable Source Protection Plan policies and, as such, may be prohibited, restricted or otherwise regulated by those policies; and c. Incorporate any other amendments required to conform with the threat specific land use policies identified in this Source Protection Plan.

Policy Number	Education and Outreach Programs
KCSPA-CW-1.4 Existing/Future Education & Outreach	The Municipality of Central Elgin may develop and implement stewardship, education and outreach programs directed at any, or all, significant drinking water threat activities prescribed under the Clean Water Act, 2006, where such programs are deemed necessary and/or appropriate by the Municipality of Central Elgin and subject to available funding. Such programs may include, but not necessarily be limited to, increasing awareness and understanding of drinking water threats and promotion of best management practices within the vulnerable areas identified in the Assessment Report.

Policy Number	Incentive Programs
KCSPA-CW-1.5 Existing/Future Incentive	The Municipality of Central Elgin, in collaboration with other implementing bodies and levels of government where desirable, may develop and implement incentive programs directed at significant drinking water threat activities prescribed under the Clean Water Act, 2006, where such programs are deemed necessary and/or appropriate and subject to available funding.
KCSPA-NB-1.6 Existing/Future Incentive	The Ministry of the Environment, Conservation and Parks should reinstate continue to provide funding and support to protect existing and future drinking water sources and address significant drinking water threats, under the Ontario Drinking Water Stewardship Program to protect existing and future drinking water sources and address significant drinking water threats.

Policy Number	Annual Reporting
KCSPA-CW-1.7 Monitoring	The Municipality of Central Elgin, Malahide Township and the Municipality of Thames Centre shall provide a report to the Source Protection Authority, by February 1st of each year, summarizing the actions taken to implement the Source Protection Plan Policies, in accordance with the Clean Water Act, 2006.

Policy Number	Annual Reporting
KCSPA-CW-1.8 Monitoring	Where the Municipality of Central Elgin, Malahide Township, the Municipality of Thames Centre and County of Elgin are required to amend their Official Plan and/or Zoning By-law, they shall provide notice to the Source Protection Authority within 30 days of the amendment(s) coming into effect.
KCSPA-CW-1.9 Monitoring	The Risk Management Official shall provide a report to the Source Protection Authority, by February 1st of each year, summarizing the actions taken to implement the Source Protection Plan Policies , in accordance with the Clean Water Act, 2006, and associated regulations.
KCSPA-CW-1.10 Existing Monitoring WHPA-A-v.10	Where the Source Protection Plan policies require a provincial ministry to amend a Prescribed Instrument and/or create a new Prescribed Instrument, the applicable Ministry shall provide a summary of the actions taken including documenting the number and locations where such instruments were reviewed and/or amended. The applicable ministry shall provide a written report summarizing this information to the Source Protection Authority by February 1st of each year, in accordance with the Clean Water Act, 2006.
KCSPA-CW-1.11 Future Monitoring WHPA-A-v.10	Where the Source Protection Plan policies require a provincial ministry to deny a Prescribed Instrument, the applicable Ministry shall document the number and locations where such instruments were denied and provide a summary of the actions taken to the Source Protection Authority by February 1st of each year, in accordance with the Clean Water Act, 2006.
KCSPA-CW-1.12 Future Monitoring	When an airport is established within the Belmont Wellhead Protection Area (WHPA) the responsible Airport Authority shall provide a report to the Source Protection Authority, by February 1st of each year, in accordance with the Clean Water Act, 2006, summarizing the actions taken to ensure that the management of runoff that contains chemicals used in the de-icing of aircraft never becomes a significant drinking water threat.

Policy Number	Specify Action
KCSPA-NB-1.13 Existing/Future Specify Action	<p>In accordance with Section 22 (7) of the Clean Water Act, 2006, the Ministry of Transportation, in collaboration with the Ministry of the Environment as well as in consultation with Source Protection Authorities, should design a sign to the appropriate Provincial standards, to identify the locations of Wellhead Protection Areas (WHPA) and Intake Protection Zones (IPZ). The Ministry of Transportation should manufacture, install and maintain the source protection signs installed along Provincial Highways within the Wellhead Protection Areas with a vulnerability score of ten (10).</p> <p>Municipalities will maintain source protection signs on municipal roads. will be responsible for the purchase, installation and maintenance of appropriate signs designed by the Province in collaboration with the Source Protection Authority. These signs should be placed, at a minimum, where municipal arterial roads are located within Wellhead Protection Areas with a vulnerability score of ten (10).</p> <p>This above policy ies will be implemented as is part of an overall education and outreach plan within each Source Protection Area. These policies, in conjunction with additional education and outreach policies, should be implemented within two (2) years after the effective date of the Source Protection Plan.</p>

Policy Number	Strategic Action
KCSPA-NB-1.14 Existing/Future Specify Action	<p>The Ministry of the Environment, Conservation and Parks Spills Action Centre should review and update, if necessary, all emergency response information and procedures to reflect the Well Head Protection Area (WHPA) and Intake Protection Zone (IPZ) mapping in the Kettle Creek Source Protection Area to ensure that drinking water sources will be protected in the event of a spill.</p>

Policy Number	Strategic Action
KCSPA-NB-1.15 Existing/Future Specify Action	<p>The Municipality of Central Elgin, Municipality of Thames Centre and Township of Malahide should review and update, if necessary, their Emergency Management Plans to include the following for the Belmont Wellhead Protection Area (WHPA) A, B, and C and Elgin Area Primary Water Supply Intake Protection Zone (IPZ) 1 and 2 and 3 as presented in the Assessment Report:</p> <ul style="list-style-type: none"> a. Maps to show the location of the Belmont Wellhead Protection Area and Elgin Area Primary Water Supply Intake Protection Zones, as applicable. b. Requirements to contain firefighting run off to prevent chemicals from entering the groundwater or surface water that are used to suppress fires. c. Responses to spills from septic haulage, highway accidents and railway derailments.

Policy Number	Interpretation
KCSPA-CW-1.16 Interpretation of Source Protection Plan	<p>The Source Protection Plan provides policies to meet the objectives of the Clean Water Act, 2006. The Source Protection Plan consists of the written policy text and Schedules.</p> <ul style="list-style-type: none"> a. The Schedules in the Source Protection Plan identify the areas where the policies of the Source Protection Plan apply. The boundaries for the circumstances shown on the Plan Schedules are general. More detailed interpretation of the boundaries relies on the mapping in the approved Assessment Report and the sSpecific cCircumstances found in the 2021 Technical Rules under the <u>Tables of Drinking Water Threats</u>, Clean Water Act, 2006. b. Where any Act or portion of an Act of the Ontario Government or Canadian Government is referenced in this Plan, such reference shall be interpreted to refer to any subsequent renaming of sections in the Act as well as any subsequent amendments to the Act, or successor thereof. This provision is also applicable to any policy statement, regulation or guideline issued by the Province or the municipality. No provision of this Plan shall derogate from any applicable law.

3.3 Village of Belmont Source Protection Plan Policies

The Village of Belmont Water Supply System has no existing significant drinking water threats enumerated in the Kettle Creek Source Protection Area Assessment Report, with the exception of the handling and storage of fuel, but has the potential for future significant threats within the Wellhead Protection Areas (WHPA) with a vulnerability of 8 or greater, and within WHPA-A through C for dense non-aqueous phase liquids (DNAPLs).

The following Source Protection Plan Policies apply to the Village of Belmont Wellhead Protection Areas (WHPA) as presented in **Schedule A** of Volume II.

Policy Number	Part IV Policies
BE-CW-2.1 Future Part IV-Prohibit WHPA-A-v.10	<p>To ensure that these activities never become significant drinking water threats, where they would be significant drinking water threats in the Belmont Wellhead Protection Area (WHPA) 'A', the following future activities are designated for the purpose of Section 57 of the Clean Water Act, 2006 and are therefore prohibited where they would be a significant drinking water threat in the Belmont Wellhead Protection Area (WHPA) 'A':</p> <ul style="list-style-type: none"> i. The Application of Agricultural Source Material to Land; ii. The Storage of Agricultural Source Material; iii. The Application of Non-Agricultural Source Material to Land; iv. The Handling and Storage of Non-Agricultural Source Material; v. The Handling and Storage of Commercial Fertilizer; vi. The Application of Pesticide to Land; vii. The Handling and Storage of Pesticide; viii. The Handling and Storage of Road Salt – Exposed to Precipitation or Runoff; ix. The Handling and Storage of Road Salt – Potentially Exposed to Precipitation or Runoff; x. — xi-x. The Storage of Snow; xi-xi. The Handling and Storage of Fuel; xi-xii. The Handling and Storage of an Organic Solvent; xii-xiii. The Use of Land as Livestock Grazing or Pasturing Land,

Policy Number	Part IV Policies
	<p>an Outdoor Confinement Area of a Farm-Animal Yard; and</p> <p>xiv. The Establishment, Operation or Maintenance of a Waste Disposal Site within the meaning of Part V of the Environmental Protection Act where a Prescribed Instrument is Not Required.</p>
<p>BE-CW-2.2</p> <p>Future</p> <p>Part IV- Prohibit</p> <p>WHPA-A/B/C</p>	<p>To ensure any Future Handling and Storage of Dense Non-Aqueous Phase Liquid (DNAPL) never becomes a that this activity never becomes a significant drinking water threat, where this activity would be a significant drinking water threat in the Belmont Wellhead Protection Area (WHPA) 'A', 'B' and 'C' in the Municipality of Central Elgin, Malahide Township and the Municipality of Thames Centre, this activity the future handling and storage of dense non-aqueous phase liquid is designated for the purpose of Section 57 of the Clean Water Act, 2006, and is therefore prohibited in the Municipality of Central Elgin, Malahide Township and the Municipality of Thames Centre, where this activity would be a significant drinking water threat in the Belmont Wellhead Protection Area (WHPA) 'A', 'B' and 'C'.</p>
<p>BE-CW-2.3</p> <p>Existing</p> <p>Part IV – RMP</p> <p>WHPA-A-v.10</p>	<p>To ensure any Existing Handling and Storage of Fuel ceases to be a significant drinking water threat, where this activity is a significant drinking water threat, this activity shall be designated for the purpose of Section 58 of the Clean Water Act, 2006 and a Risk Management Plan shall be required.</p> <p>The Risk Management Plan shall include, as a minimum, the requirements for all storage tanks to comply with the requirements of the Technical Standards and Safety Act and its regulations, and for all owners/operators to have an emergency response plan with emergency contact information of the municipality responsible for water services and the Spills Action Centre.</p>

Policy Number	Prescribed Instrument
<p>BE-MC-3.1</p> <p>Future</p> <p>Prescribed</p>	<p>To ensure that these activities never become significant drinking water threats, where they would be significant drinking water threats in the Belmont Wellhead Protection Area (WHPA) 'A', the Ministry of the Environment, Conservation and Parks shall prohibit through the Environmental Compliance Approvals process the following future activities within the meaning of the Environmental Protection Act or as</p>

Policy Number	Prescribed Instrument
Instr. WHPA-A-v.10	<p>defined by the Ontario Water Resources Act that are subject to an Environmental Compliance Approval, where they would be significant drinking water threats in the Belmont Wellhead Protection Area (WHPA) 'A':</p> <ul style="list-style-type: none"> i. Industrial Effluent Discharges; ii. Sewage system or sewage works Septic Systems; iii. Wastewater Collection Facilities and Associated Parts: Outfall of a Combined Sewer Overflow (CSO), or a Sanitary Sewer Overflow (SSO) from a Manhole or Wet Well; iv. Wastewater Treatment Facilities and Associated Parts Sewage system or sewage works Storage of Sewage; v-iv. Disposal of Hauled Sewage to Land; vi. Application of Processed Organic Waste to Land. vii. Sewage system or sewage works Sewage Treatment Plant effluent discharges; viii. Sewage system or sewage works Discharge of Stormwater Management Facility; ix. Sewage system or sewage works Septic System Holding Tank; x-v. Storage, treatment and discharge of tailings from mines; xi-vi. Waste Disposal Site Landfilling of Ppetroleum Rrefining Wwaste; ii-vii. Waste Disposal Site Landfilling (Hazardous Waste or Liquid Industrial Waste); xiii. Waste Disposal Site Landfilling (Municipal Waste); iv-viii. Waste Disposal Site Landfilling (Solid Non-Hazardous Industrial or Commercial); v-ix. Waste Disposal Site Liquid Industrial Waste Injection into a wWell; vi-x. Waste Disposal Site PCB Waste Storage; ii-xi. Storage of Hauled Sewage; ii-xii. Storage of Processed Organic Waste or Biomass; iv-xiii. Waste Disposal Site Storage of Hazardous Waste at Disposal Sites Transfer/Processing Sites Approved to Receive

Policy Number	Prescribed Instrument
	<p>Hazardous Waste or Liquid Industrial Waste;</p> <p>xiv. Waste Disposal Site—Storage of wastes described in clauses (p), (q), (r), (s), (t), or (u) of the definition of hazardous waste Transfer/Processing Site Approved to receive only Municipal Waste Under Part V of the Environmental Protection Act; ; and</p> <p>xv. Storage of Subject Waste at a Waste Generation Facility: Site Requires Generator Registration under Section 3 of O. Reg. 347;</p> <p>xvi. Storage of Subject Waste at a Waste Generation Facility: Site that is Exempt or Excluded from Generator Registration Requirements; and</p> <p>xxiii. Storage, Treatment and Discharge of Tailings from Mines.</p> <p>xvii. Application of Untreated Septage to Land.</p>
<p>BE-MC-3.2</p> <p>Future</p> <p>Prescribed Instr.</p> <p>WHPA-B-v.8</p>	<p>To ensure that these activities never become significant drinking water threats, where they would be significant drinking water threats in the Belmont Wellhead Protection Area (WHPA) 'B', tThe Ministry of the Environment shall prohibit the following future activities within the Environmental Compliance Approvals process where they would be a significant drinking water threat in the Belmont Wellhead Protection Area (WHPA) 'B' to ensure that these activities never become significant drinking water threats:</p> <p>i. Waste Disposal Site Landfilling (Municipal Waste);</p> <p>ii. Landfilling (Hazardous Waste or Liquid Industrial Waste);</p> <p>iii-ii. Waste Disposal Site Landfilling (Solid Non-Hazardous Industrial or Commercial);</p> <p>iv-iii. Waste Disposal Site Liquid Industrial Waste Injection into a Well;</p> <p>v-iv. Transfer/Processing Sites Approved to Receive Hazardous Waste or Liquid Industrial Waste; and</p> <p>vi. Transfer/Processing Site Approved to Receive only Municipal Waste under Part V of the Environmental Protection Act; and</p> <p>vii-v. Sewage system or sewage works Storage of Sewage.</p>

Policy Number	Prescribed Instrument
<p>BE-MC-3.3</p> <p>Future</p> <p>Prescribed Instr.</p> <p>WHPA-A-v.10</p>	<p>To ensure these activities never become significant drinking water threats, where these activities would be significant drinking water threats in the Belmont Wellhead Protection Area (WHPA) 'A', tThe Ministry of the Environment shall manage these threatsfuture activities sewage system or sewage works – sanitary sewers and related pipes within the Environmental Compliance Approvals process where this activity would be a significant drinking water threat in the Belmont Wellhead Protection Area (WHPA) 'A' by ensuring terms and conditions are imposed that, when implemented, theseis activitiesy never becomes a significant drinking water threats:</p> <ul style="list-style-type: none"> i. Onsite Sewage Works; ii. Storm Water Management Facilities and Drainage Systems: Outfall from a Storm Water Management Facility or Storm Water Drainage System; iii. Storm Water Management Facilities and Drainage Systems: Storm Water Infiltration Facility; iv. Wastewater Collection Facilities and Associated Parts: Sanitary Sewers; and v. Wastewater Collection Facilities and Associated Parts: Sewage Pumping Station or Lift Station Wet Well, a Holding Tank or a Tunnel.

Policy Number	Education and Outreach
<p>BE-CW-4.1</p> <p>Existing/Future</p> <p>Education & Outreach</p> <p>WHPA-A/B/C</p>	<p>To ensure that these activities never become significant drinking water threats, where they would be significant drinking water threats in the Wellhead Protection Areas (WHPAs), tThe Municipality of Central Elgin shall, in cooperation with the Kettle Creek Conservation Authority, continue and enhance their established outreach and education programs and promote best management practices in the Wellhead Protection Areas (WHPAs) where there are or would be significant drinking water threats to include messaging consistent with source water protection, specifically for the following activities:</p> <ul style="list-style-type: none"> i. Waste Disposal Site Landfilling (Municipal Waste); ii. Waste Disposal Site Landfilling (Solid Non Hazardous Waste

Policy Number	Education and Outreach
	<p>or Liquid Industrial Wasteor Commercial);</p> <ul style="list-style-type: none"> iii. Waste Disposal Site- Liquid Industrial Waste Injection into a Well; iv. The Handling and Storage of Pesticides; v. The Application of Pesticides to Land; vi. The Handling and Storage of Fuel; vii. The Handling and Storage of Commercial Fertilizer; viii. The Handling and Storage of Dense Non Aqueous Phase Liquids (DNAPL's); ix. The Application of Agriculture Source Material; x. The Storage of Agriculture Source Material; xi. The Application of Non-Agriculture Source Material; and xii. The Handling and Storage of Non-Agriculture Source Material.

Policy Number	Specify Action
<p>BE-NB-5.1 Future Specify Action WHPA-A-v.10</p>	<p>The Airport Authority shall consider appropriate design standards and management practices for new airports within the Belmont Wellhead Protection Area (WHPA) to ensure that the management of runoff that contains chemicals used in the de-icing of aircraft never becomes a significant drinking water threat.</p>

Policy Number	Specify Action
<p>BE-NB-5.1</p> <p>Future</p> <p>Specify Action</p> <p>Significant</p> <p>WHPA-A-v.10</p> <p>Moderate/Low</p> <p>WHPA-B-v.6 & 8</p> <p>WHPA-C-v. 6</p>	<p>To ensure any Future Establishment and Operation of a Liquid Hydrocarbon Pipeline Within the Meaning of O. Reg. 210/01 Under the Technical Safety and Standards Act or that is Subject to the Canadian Energy Regulator Act never becomes a significant, moderate or low drinking water threat, where the activity would be a significant, moderate or low drinking water threat, the Canada Energy Regulator, Ontario Energy Board, Technical Standards and Safety Authority (TSSA), and Impact Assessment Agency should ensure that drinking water source protection is considered as a risk factor in their decision making framework.</p>
<p>BE-NB-5.2</p> <p>Future</p> <p>Specify Action</p> <p>Significant</p> <p>WHPA-v.10</p> <p>Moderate/Low</p> <p>WHPA-B-v.6 & 8</p> <p>WHPA-C-v. 6</p>	<p>To ensure any Future Establishment and Operation of a Liquid Hydrocarbon Pipeline within the meaning of O. Reg. 210/01 under the Technical Safety and Standards Act or that is subject to the Canadian Energy Regulator Act never becomes a significant, moderate or low drinking water threat, where the activity would be a significant, moderate or low drinking water threat, pipeline owners should ensure that best available source protection information is used such as up to date vulnerable areas in assessment reports when developing, operating and maintaining liquid hydrocarbon pipelines, including developing and updating emergency planning zones (EPZs).</p>
<p>BE-NB-5.3</p> <p>Future</p> <p>Specify Action</p> <p>Significant</p> <p>WHPA-A-v.10</p> <p>Moderate/Low</p> <p>WHPA-B-v.6 & 8</p> <p>WHPA-C-v. 6</p>	<p>To ensure any Future Establishment and Operation of a Liquid Hydrocarbon Pipeline within the meaning of O. Reg. 210/01 under the Technical Safety and Standards Act or that is subject to the Canadian Energy Regulator Act never becomes a significant, moderate or low drinking water threat, where the activity would be a significant, moderate or low drinking water threat, the Canada Energy Regulator or the Ontario Energy Board, should ensure that the Source Protection Authority and the municipality are provided the location of any new proposed pipeline.</p>

Policy Number	Specify Action
<p>BE-NB-5.4 Future Specify Action Significant WHPA-A-v.10 Moderate/Low WHPA-B-v.6 & 8 WHPA-C-v. 6</p>	<p>To ensure any Future Establishment and Operation of a Liquid Hydrocarbon Pipeline within the meaning of O. Reg. 210/01 under the Technical Safety and Standards Act or that is subject to the Canadian Energy Regulator Act never becomes a significant , moderate or low drinking water threat, where the activity would be a significant, moderate or low drinking water threat, pipeline owners should, upon request by the municipality, reimburse costs borne by the municipality where work in relation to this activity is required by a regulator with regards to protecting drinking water sources or where the work identified by the drinking water system owner is supported based on due diligence and best practices as it relates to source protection and the protection of public health. Examples may include but are not limited to spill clean-up and rehabilitation activities, events-based modelling or other technical work required to support current vulnerability scoring.</p>

Policy Number	Strategic Action
<p>BE-NB-6.1 Existing/Future Specify Action WHPA-A/B</p>	<p>To ensure any Existing or Future improperly abandoned wells cease to be or never become a significant drinking water threat, where this activity is or would be a significant drinking water threat in WHPA 'A' and 'B', tThe Municipality of Central Elgin shall, when becoming aware of this activity, improperly abandoned wells in WHPA 'A' and 'B' where activities would be significant drinking water threats, notify the Ministry of the Environment, Conservation and Parks to aid in the enforcement of O. Reg. 903.</p>

3.4 The Elgin Area Primary Water Supply System Source Protection Plan Policies

The Elgin Area Primary Water Supply System has two existing significant drinking water threats that were identified through events based modeling as described in Volume I and the Kettle Creek Source Protection Area Assessment Report.

The following policies apply to the Elgin Area Primary Water Supply System as presented in **Schedule B** of Volume II.

Policy Number	Part IV Policies
PS-CW-7.1 Existing Part IV- RMP IPZ	<p>To ensure any Existing Handling and Storage of Fuel greater than 6,000 litres that these activities cease to be a significant drinking water threats, where this activity is a significant drinking water threat as per the threshold determined by the modeling in the Municipality of Central Elgin in the Elgin Area Primary Water Supply Intake Protection Zones within the areas identified in Schedule B, these following Existing activities are designated for the purpose of Section 58 of the Clean Water Act, 2006, in the Municipality of Central Elgin in the Elgin Area Primary Water Supply Intake Protection Zones within the areas identified in Schedule B where these activities are significant drinking water threats as per the threshold determined by the modeling, and therefore and a Risk Management Plan shall be required:</p> <ul style="list-style-type: none"> i.—The handling and storage of commercial fertilizer of greater than 5,000 cubic metres; and ii.—The handling and storage of fuel greater than 6,000 litres. <p>At a minimum, the Risk Management Plans must recognize, to the satisfaction of the Risk Management Official, the following:</p> <ul style="list-style-type: none"> a. Site drainage; b. Procedures and policies for handling and storage; c. Regular inspection of storage tanks; d. Reporting protocols; e. Containment contingencies for failures; and f. Any other terms deemed necessary.

Policy Number	Part IV Policies
PS-CW-7.2 Future Part IV-Prohibit IPZ	<p>To ensure any Future Handling and Storage of Fuel greater than 6,000 litres that these activities never becomes a significant drinking water threats, where this activity would be a significant drinking water threat as per the threshold determined by the modeling in the Municipality of Central Elgin in the Elgin Area Primary Water Supply Intake Protection Zones within the areas identified in Schedule B, these following Future activities are designated for the purpose of Section 57 of the Clean Water Act, 2006 and therefore prohibited in the Municipality of Central Elgin in the Elgin Area Primary Water Supply Intake Protection Zones within the areas identified in Schedule B where these activities would be significant drinking water threats as per the threshold determined by the modeling:</p> <p>The handling and storage of commercial fertilizer greater than 5,000 cubic metres; and</p> <p>The handling and storage of fuel greater than 6,000 litres.</p>

Policy Number	Strategic Action
PS-NB-8.1 Existing/Future Specify Action IPZ	<p>The Ministry of the Environment Conservation and Parks should notify the As per Section 26(6) of O. Reg. 287/07, the Municipality of Central Elgin should provide mapping detailing the Intake Protection Zone (IPZ) 1 to the Canadian Coast Guard within one (1) year of the Source Protection Plan taking effect.</p> <p>And further that the Elgin Area Primary Water Supply System duty operator Board when there are and the Canadian Coast Guard be requested to work together to develop a protocol to report boating accidents or other incidents that may affect the drinking water treatment system and/or water quality within or near the Intake Protection Zone 1 (IPZ-1) and; Intake Protection Zone 2 (IPZ-2) and Intake Protection Zone 3 (IPZ-3), through the Spills Action Centre or the Canada-Ontario Environmental Occurrences Notification Agreement. in a timely manner.</p> <p>This action shall occur within five (5) years of the Source Protection Plan taking effect.</p>

Policy Number	Specify Action
PS-NB-9.1 Future Specify Action Low IPZ-1-v. 5.0	To ensure any Future Establishment and Operation of a Liquid Hydrocarbon Pipeline within the meaning of O. Reg. 210/01 under the Technical Safety and Standards Act or that is subject to the Canadian Energy Regulator Act never becomes a significant, moderate or low drinking water threat, where the activity would be a significant, moderate or low drinking water threat, the Canada Energy Regulator, Ontario Energy Board, Technical Standards and Safety Authority (TSSA), and Impact Assessment Agency should ensure that drinking water source protection is considered as a risk factor in their decision making framework.
PS-NB-9.2 Future Specify Action Low IPZ-1-v. 5.0	To ensure any Future Establishment and Operation of a Liquid Hydrocarbon Pipeline within the meaning of O. Reg. 210/01 under the Technical Safety and Standards Act or that is subject to the Canadian Energy Regulator Act never becomes a significant, moderate or low drinking water threat, where the activity would be a significant, moderate or low drinking water threat, pipeline owners should ensure that best available source protection information is used such as up to date vulnerable areas in assessment reports when developing, operating and maintaining liquid hydrocarbon pipelines, including developing and updating emergency planning zones (EPZs).
PS-NB-9.3 Future Specify Action Low IPZ-1-v. 5.0	To ensure any Future Establishment and Operation of a Liquid Hydrocarbon Pipeline within the meaning of O. Reg. 210/01 under the Technical Safety and Standards Act or that is subject to the Canadian Energy Regulator Act never becomes a significant, moderate or low drinking water threat, where the activity would be a significant, moderate or low drinking water threat, the Canada Energy Regulator or the Ontario Energy Board, should ensure that the Source Protection Authority and the municipality are provided the location of any new proposed pipeline.

Policy Number	Specify Action
<p>PS-NB-9.4</p> <p>Future</p> <p>Specify Action</p> <p>Low</p> <p>IPZ-1-v. 5.0</p>	<p>To ensure any Future Establishment and Operation of a Liquid Hydrocarbon Pipeline within the meaning of O. Reg. 210/01 under the Technical Safety and Standards Act or that is subject to the Canadian Energy Regulator Act never becomes a significant, moderate or low drinking water threat, where the activity would be a significant, moderate or low drinking water threat, pipeline owners should, upon request by the municipality, reimburse costs borne by the municipality where work in relation to this activity is required by a regulator with regards to protecting drinking water sources or where the work identified by the drinking water system owner is supported based on due diligence and best practices as it relates to source protection and the protection of public health. Examples may include but are not limited to spill clean-up and rehabilitation activities, events-based modelling or other technical work required to support current vulnerability scoring.</p>

3.5 Appendix A: List of Policies as Per Section 34 of Ontario Regulation 287/07

LIST A

Title: Significant threat policies that affect decisions under the Planning Act and Condominium Act, 1998

Opening Statement: “Clause 39 (1)(a), Subsections 39 (2), (4) and (6), and Sections 40 and 42 of the Clean Water Act, 2006 apply to the following policies:”

Content: **KCSPA-CW-1.1**, **KCSPA-CW-1.1.1**, KCSPA-CW-1.3, KCSPA-CW-1.2, **KCSPA-MC-1.3**, KCSPA-CW-1.8

LIST B

Title: Moderate and low threat policies that affect decisions under the Planning Act and Condominium Act, 1998

Opening Statement: “Subsection 39 (1) (b) of the Clean Water Act, 2006 applies to the following policies:”

Content: No Applicable Policies

LIST C

Title: Significant threat policies that affect prescribed instrument decisions

Opening Statement: “Subsection 39 (6), clause 39 (7) (a), Section 43 and Subsection 44 (1) of the Clean Water Act, 2006 apply to the following policies:”

Content: **KCSPA-CW-1.1**, **KCSPA-CW-1.1.1**, BE-MC-3.1, BE-MC-3.2, BE-MC-3.3

LIST D

Title: Moderate and low threat policies that affect prescribed instrument decisions

Opening Statement: “Clause 39 (7) (b) of the Clean Water Act, 2006 applies to the following policies:”

Content: No Applicable Policies

LIST E

Title: Significant threat policies that impose obligations on municipalities, source protection authorities and local boards

Opening Statement: “Section 38 and Subsection 39 (6) of the Clean Water Act, 2006 applies to the following policies:”

Content: **KCSPA-1.1**, **KCSPA-CW-1.1.1**, KCSPA-CW-1.4, KCSPA-CW-1.5, **KCSPA-CW-1.16**, BE-CW-4.1, ~~KCSPA-CW-1.15~~

LIST F

Title: Monitoring policies referred to in Subsection 22 (2) of the Clean Water Act, 2006

Opening Statement: “Section 45 of the Clean Water Act, 2006 applies to the following policies:”

Content: KCSPA-CW-1.7, KCSPA-CW-1.8, KCSPA-CW-1.9, KCSPA-CW-1.10, KCSPA-CW-1.11, KCSPA-CW-1.12

LIST G

Title: Policies related to section 57 of the Clean Water Act, 2006

Opening Statement: “The following policies relate to Section 57 (prohibition) of the Clean Water Act, 2006.”

Content: **KCSPA-1.1**, **KCSPA-CW-1.1.1**, BE-CW-2.1, BE-CW-2.2, PS-CW-7.2

LIST H

Title: Policies related to Section 58 of the Clean Water Act, 2006

Opening Statement: “The following policies relate to Section 58 (risk management plans) of the Clean Water Act, 2006.”

Content: **KCSPA-1.1**, **KCSPA-CW-1.1.1**, **BE-CW-2.3**, PS-CW-7.1

LIST I

Title: Policies related to Section 59 of the Clean Water Act, 2006

Opening Statement: “The following policies relate to Section 59 (restricted land use) of the Clean Water Act, 2006.”

Content: **KCSPA-1.1**, **KCSPA-CW-1.1.1**, KCSPA-CW-1.2

LIST J

Title: Strategic Action policies

Opening Statement: For the purposes of Section 33 of O. Reg. 287/07, the following policies are identified as strategic action policies:

Content: KCSPA-NB-1.12, KCSPA-NB-1.13, KCSPA-NB-1.14, **KCSPA-NB-1.15**, BE-NB-6.1, PS-NB-8.1

LIST K

Title: Significant threat policies targeted to bodies other than municipalities, local board or source protection authorities for implementation

Opening Statement: The following policies are identified as non-legally binding policies:

Content: ~~BE-NB-5.1~~, BE-NB-5.1, BE-NB-5.2, BE-NB-5.3, BE-NB-5.4, KCSPA-NB-1.6, PS-NB-8.1, PS-NB-9.1, PS-NB-9.2, PS-NB-9.3, PS-NB-9.4.

3.6 Appendix B: Prescribed Instruments and Policy Summary Tables

Table 3-1: Prescribed instruments which apply to source protection plan policies in Lists C and D above (s.34(4) of O. Reg. 287/07)

Policy #	Legal Effect	Environmental Protection Act	Nutrient Management Act	Ontario Water Resources Act
KCSPA-CW-1.1	Conform With Must Conform	X	N/A	X
KCSPA-CW-1.1.1	Conform With	X	X	X
BE-MC-3.1	Must Conform	X	N/A	X
BE-MC-3.2	Must Conform	X	N/A	X
BE-MC-3.3	Must Conform	X	N/A	X

Table 3-2: Policy Summary Matrix

Policy ID#	Legal Effect (conform with, have regard to, non-binding)	Policy affects decisions under the Planning Act and Condominium Act, 1998 (Lists A and B)	Policy affects Prescribed Instrument decisions (Lists C and D)	Significant threat policies that impose obligations on municipalities, source protection authorities and local boards (List E)	Monitoring policies referred to in s.22(2) of the Clean Water Act, 2006 (List F)	Part IV Policies - Significant threat policies that are designated in the plan as requiring a risk management plan, are prohibited under s. 57, or to which s. 59 of the Clean Water Act, 2006 applies (Lists G, H, and I)	Strategic Action Policies (List J)	Significant threat policies which designate a body other than a municipality, source protection authority or local board as responsible for implementing the policy (List K)
KCSPA-CW-1.1	Conform with	X	X	X	N/A	X	N/A	N/A
KCSPA-CW-1.1.1	Conform with	X	X	X	N/A	X	N/A	N/A
KCSPA-MCW-1.3	Conform with	X	N/A	N/A	N/A	N/A	N/A	N/A
BE-MC-3.1	Must Conform	N/A	X	N/A	N/A	N/A	N/A	N/A
BE-MC-3.2	Must Conform	N/A	X	N/A	N/A	N/A	N/A	N/A

Policy ID#	Legal Effect (conform with, have regard to, non-binding)	Policy affects decisions under the Planning Act and Condominium Act, 1998 (Lists A and B)	Policy affects Prescribed Instrument decisions (Lists C and D)	Significant threat policies that impose obligations on municipalities, source protection authorities and local boards (List E)	Monitoring policies referred to in s.22(2) of the Clean Water Act, 2006 (List F)	Part IV Policies - Significant threat policies that are designated in the plan as requiring a risk management plan, are prohibited under s. 57, or to which s. 59 of the Clean Water Act, 2006 applies (Lists G, H, and I)	Strategic Action Policies (List J)	Significant threat policies which designate a body other than a municipality, source protection authority or local board as responsible for implementing the policy (List K)
BE-MC-3.3	Must Conform	N/A	X	N/A	N/A	N/A	N/A	N/A
KCSPA-CW-1.4	Conform with	N/A	N/A	X	N/A	N/A	N/A	N/A
KCSPA-CW-1.5	Conform with	N/A	N/A	X	N/A	N/A	N/A	N/A
KCSPA-CW-1.16	Conform with	N/A	N/A	X	N/A	N/A	N/A	N/A
BE-CW-4.1	Conform with	N/A	N/A	X	N/A	N/A	N/A	N/A
KCSPA-CW-1.15	Conform with	N/A	N/A	X	N/A	N/A	N/A	N/A

Policy ID#	Legal Effect (conform with, have regard to, non-binding)	Policy affects decisions under the Planning Act and Condominium Act, 1998 (Lists A and B)	Policy affects Prescribed Instrument decisions (Lists C and D)	Significant threat policies that impose obligations on municipalities, source protection authorities and local boards (List E)	Monitoring policies referred to in s.22(2) of the Clean Water Act, 2006 (List F)	Part IV Policies - Significant threat policies that are designated in the plan as requiring a risk management plan, are prohibited under s. 57, or to which s. 59 of the Clean Water Act, 2006 applies (Lists G, H, and I)	Strategic Action Policies (List J)	Significant threat policies which designate a body other than a municipality, source protection authority or local board as responsible for implementing the policy (List K)
KCSPA-NB-1.12	Non-binding	N/A	N/A	N/A	N/A	N/A	X	N/A
KCSPA-CW-1.7	Conform with	N/A	N/A	N/A	X	N/A	N/A	N/A
KCSPA-CW-1.8	Conform with	X	N/A	N/A	X	N/A	N/A	N/A
KCSPA-CW-1.9	Conform with	N/A	N/A	N/A	X	N/A	N/A	N/A
KCSPA-CW-1.10	Conform with	N/A	N/A	N/A	X	N/A	N/A	N/A
KCSPA-CW-1.11	Conform with	N/A	N/A	N/A	X	N/A	N/A	N/A

Policy ID#	Legal Effect (conform with, have regard to, non-binding)	Policy affects decisions under the Planning Act and Condominium Act, 1998 (Lists A and B)	Policy affects Prescribed Instrument decisions (Lists C and D)	Significant threat policies that impose obligations on municipalities, source protection authorities and local boards (List E)	Monitoring policies referred to in s.22(2) of the Clean Water Act, 2006 (List F)	Part IV Policies - Significant threat policies that are designated in the plan as requiring a risk management plan, are prohibited under s. 57, or to which s. 59 of the Clean Water Act, 2006 applies (Lists G, H, and I)	Strategic Action Policies (List J)	Significant threat policies which designate a body other than a municipality, source protection authority or local board as responsible for implementing the policy (List K)
KCSPA-CW-1.12	Conform with	N/A	N/A	N/A	X	N/A	N/A	N/A
BE-CW-2.1	N/A	Conform with	N/A	N/A	N/A	N/A	X	N/A
BE-CW-2.2	N/A	Conform with	N/A	N/A	N/A	N/A	X	N/A
PS-CW-7.1	N/A	Conform with	N/A	N/A	N/A	N/A	X	N/A
PS-CW-7.2	N/A	Conform with	N/A	N/A	N/A	N/A	X	N/A
KCSPA-CW-1.2	Conform with	X	N/A	N/A	N/A	X	N/A	N/A

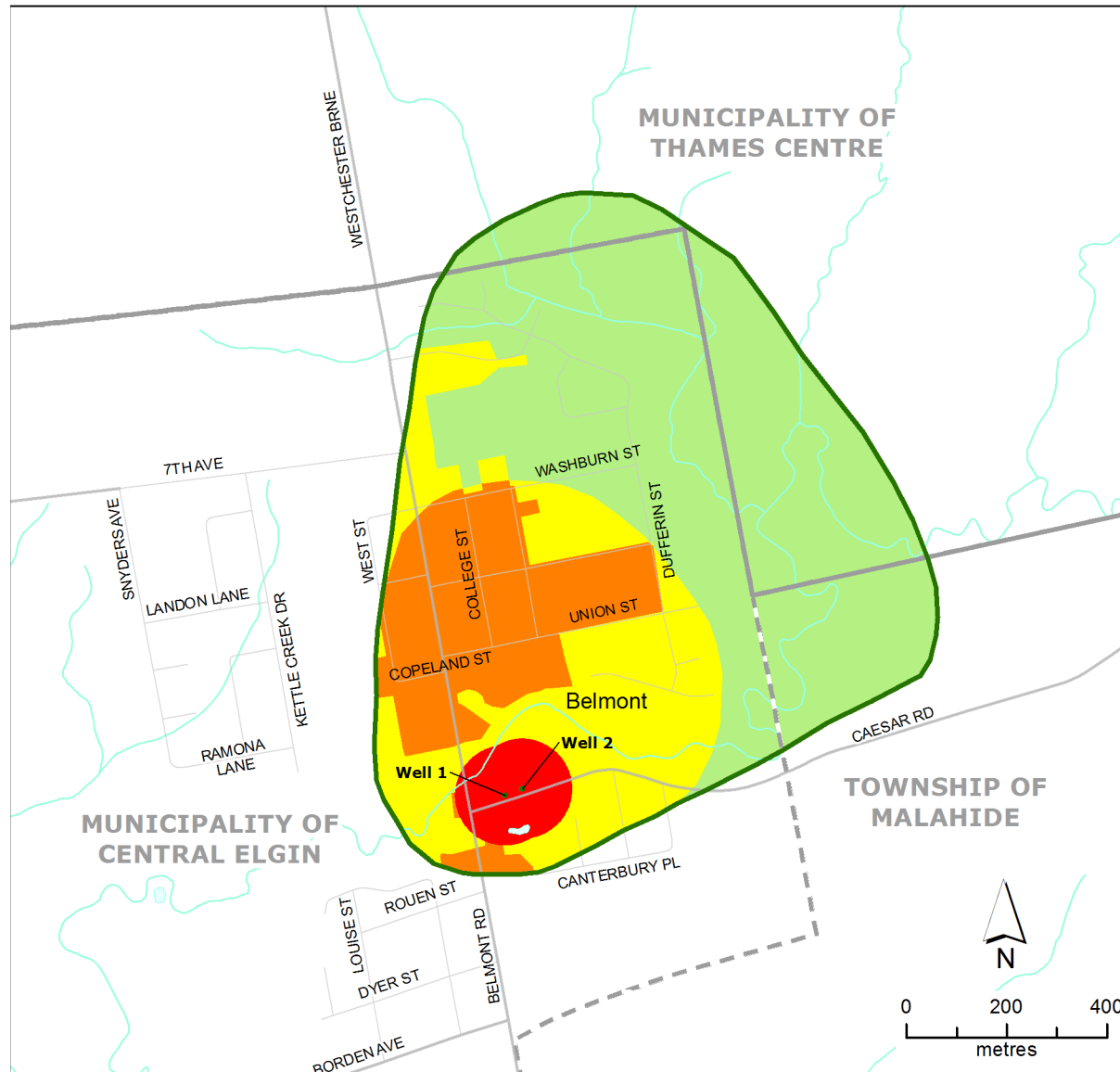
Policy ID#	Legal Effect (conform with, have regard to, non-binding)	Policy affects decisions under the Planning Act and Condominium Act, 1998 (Lists A and B)	Policy affects Prescribed Instrument decisions (Lists C and D)	Significant threat policies that impose obligations on municipalities, source protection authorities and local boards (List E)	Monitoring policies referred to in s.22(2) of the Clean Water Act, 2006 (List F)	Part IV Policies - Significant threat policies that are designated in the plan as requiring a risk management plan, are prohibited under s. 57, or to which s. 59 of the Clean Water Act, 2006 applies (Lists G, H, and I)	Strategic Action Policies (List J)	Significant threat policies which designate a body other than a municipality, source protection authority or local board as responsible for implementing the policy (List K)
BE-CW-2.1	Conform With	N/A	N/A	N/A	N/A	X	N/A	N/A
BE-CW-2.2	Conform With	N/A	N/A	N/A	N/A	X	N/A	N/A
BE-CW-2.3	Conform With	N/A	N/A	N/A	N/A	X	N/A	N/A
PS-CW-7.1	N/A	Conform with	N/A	N/A	N/A	X	N/A	N/A
PS-CW-7.2	N/A	Conform with	N/A	N/A	N/A	X	N/A	N/A
KCSPA-NB-1.13	Non-binding	N/A	N/A	N/A	N/A	N/A	X	N/A

Policy ID#	Legal Effect (conform with, have regard to, non-binding)	Policy affects decisions under the Planning Act and Condominium Act, 1998 (Lists A and B)	Policy affects Prescribed Instrument decisions (Lists C and D)	Significant threat policies that impose obligations on municipalities, source protection authorities and local boards (List E)	Monitoring policies referred to in s.22(2) of the Clean Water Act, 2006 (List F)	Part IV Policies - Significant threat policies that are designated in the plan as requiring a risk management plan, are prohibited under s. 57, or to which s. 59 of the Clean Water Act, 2006 applies (Lists G, H, and I)	Strategic Action Policies (List J)	Significant threat policies which designate a body other than a municipality, source protection authority or local board as responsible for implementing the policy (List K)
KCSPA-NB-1.14	Non-binding	N/A	N/A	N/A	N/A	N/A	X	N/A
KCSPA-NB-1.15	Non-binding	N/A	N/A	N/A	N/A	N/A	X	N/A
BE-NB-6.1	Non-binding	N/A	N/A	N/A	N/A	N/A	X	N/A
PS-NB-8.1	Non-binding	N/A	N/A	N/A	N/A	N/A	X	X N/A
KCSPA-NB-GW-1.6	Conform with	N/A	N/A	N/A	N/A	N/A	N/A	X
BE-NB-5.1	Non-binding	N/A	N/A	N/A	N/A	N/A	N/A	X

Policy ID#	Legal Effect (conform with, have regard to, non-binding)	Policy affects decisions under the Planning Act and Condominium Act, 1998 (Lists A and B)	Policy affects Prescribed Instrument decisions (Lists C and D)	Significant threat policies that impose obligations on municipalities, source protection authorities and local boards (List E)	Monitoring policies referred to in s.22(2) of the Clean Water Act, 2006 (List F)	Part IV Policies - Significant threat policies that are designated in the plan as requiring a risk management plan, are prohibited under s. 57, or to which s. 59 of the Clean Water Act, 2006 applies (Lists G, H, and I)	Strategic Action Policies (List J)	Significant threat policies which designate a body other than a municipality, source protection authority or local board as responsible for implementing the policy (List K)
BE-NB-5.1	Non-binding	N/A	N/A	N/A	N/A	N/A	N/A	X
BE-NB-5.3	Non-binding	N/A	N/A	N/A	N/A	N/A	N/A	X
BE-NB-5.2	Non-binding	N/A	N/A	X	N/A	N/A	N/A	N/A
BE-NB-5.4	Non-binding	N/A	N/A	N/A	N/A	N/A	N/A	X
PS-NB-9.1	Non-binding	N/A	N/A	N/A	N/A	N/A	N/A	X
PS-NB-9.2	Non-binding	N/A	N/A	X	N/A	N/A	N/A	N/A

Policy ID#	Legal Effect (conform with, have regard to, non-binding)	Policy affects decisions under the Planning Act and Condominium Act, 1998 (Lists A and B)	Policy affects Prescribed Instrument decisions (Lists C and D)	Significant threat policies that impose obligations on municipalities, source protection authorities and local boards (List E)	Monitoring policies referred to in s.22(2) of the Clean Water Act, 2006 (List F)	Part IV Policies - Significant threat policies that are designated in the plan as requiring a risk management plan, are prohibited under s. 57, or to which s. 59 of the Clean Water Act, 2006 applies (Lists G, H, and I)	Strategic Action Policies (List J)	Significant threat policies which designate a body other than a municipality, source protection authority or local board as responsible for implementing the policy (List K)
PS-NB-9.3	Non-binding	N/A	N/A	N/A	N/A	N/A	N/A	X
PS-NB-9.4	Non-binding	N/A	N/A	N/A	N/A	N/A	N/A	X
KGSPA-CW-1.15	Conform with	N/A	N/A	N/A	N/A	N/A	N/A	X

3.7 Schedule A: Municipality of Central Elgin, Village of Belmont Water Supply



Drinking Water Threat Policy Applicability

Drinking Water Threat Policy Categories	Vulnerability Scores on Map			
	10	8	6	2 & 4
Policies for Significant Threats Only:				
1. Waste Disposal				
2. Sewage Systems				
3, 4. Agricultural Source Material*				
5, 7. Non-Agricultural Source Material*				
8, 9. Commercial Fertilizer*				
10, 11. Pesticide				
12, 13. Road Salt*				
14. Storage of Snow				
15. Fuel				
16. DNAPLs				Anywhere in WHPA-A, B, C**
17. Organic Solvents				
18. Aircraft De-icing				
21. Livestock Area				
Policies for Low, Moderate & Significant Threats:				
22. Oil Pipelines				

Note: This table provides a summary of the activities listed in the Clean Water Act (2006) that apply as Prescribed Drinking Water Threats (PDWT) within Non-GUDI Wellhead Protection Zones on this map. For details, refer to the Drinking Water Threats Tables from the Ministry of the Environment, Conservation and Parks, and the text of this Plan. *Application of Commercial Fertilizer, Agricultural Source Material, Non-Agricultural Source Material, and Road Salt may not be significant drinking water threats in some areas due to the % managed land, livestock density, and/or % impervious surface calculations for these areas. See the text of this plan for further details. **DNAPLs can be significant drinking water threats anywhere in a WHPA-A, -B, or -C, regardless of the vulnerability score.

Well
 Main Road
 Minor River
 Lake / Main River
 Upper Tier Boundary
 Lower Tier Boundary
Wellhead Protection Zones:
 WHPA-A, -B, -C



1. Updated October 14, 2022
 2. Larger scale mapping of some map layers, including roads and vulnerability scores, is available at www.sourcewater.ca.
 3. This map is for illustrative purposes only. Information contained herein is not a substitute for professional review or a site survey and is subject to change without notice. The Grand River Conservation Authority takes no responsibility for, nor guarantees, the accuracy of the information contained on this map. Any interpretations or conclusions drawn from this map are the sole responsibility of the user.

3.8 Schedule B: Municipality of Central Elgin, Elgin Area Primary Water Supply System

