



**THE CATARAQUI SOURCE PROTECTION COMMITTEE  
MINUTES OF MEETING # 59**

Thursday, November 30, 2017 (7:00 PM)

General Purpose Room, Outdoor Centre, Little Cataraqui Creek Conservation Area

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**Present:** John Williamson, Chair      Richard Bresee      John Conley  
Greg Newman      Gary Davison      Jeff Peters  
Richard Lindgren      Chris Mangan-Greene      Nona Mariotti  
Michael Farrell      Ross Sutherland      Kathleen Laird  
Kim Sytsma      Mary Wooding

**Regrets:** Peter Raabe      Joan Green

**Staff Present:** Rob McRae, Manager, Watershed Planning & Engineering  
Katrina Furlanetto, Coordinator, Source Protection

Chair John Williamson called the Cataraqui Source Protection Committee (Committee) meeting to order at 7:06 P.M.

1) **Roll Call and Mileage and Notice of Proxies**

There were 11 of 12 voting members present and no proxies.

2) **Adoption of Agenda**

Chair John Williamson requested the adoption of the agenda, as amended by the addition of a correspondence from four eastern Source Protection Committee Chairs to the Ontario Ministry of Environment and Climate Change (MOECC).

Moved by: Kathleen Laird  
Seconded by: Richard Bresee

**THAT** the Cataraqui Source Protection Committee members adopt the meeting agenda as amended.

**Carried**

3) **Declarations of Conflict of Interest**

There were none.

4) **Acknowledgement of Previous Meeting Minutes**

Moved by: Nona Mariotti

Seconded by: Gary Davison

**THAT** the Cataraqui Source Protection Committee members acknowledge that the minutes of the September 21, 2017 meeting were adopted via an electronic poll in October 2017.

**Carried**

5) **Business Arising**

There was none.

6) **Delegations**

There were none.

7) **Correspondence**

Chair John Williamson noted that a letter was being prepared for the MOECC Source Protection Programs Branch from the Committee Chairs of the Quinte Source Protection Region, Cataraqui Source Protection Area, Mississippi-Rideau Source Protection Region, and Raisin-South Nation Source Protection Region. The Chair indicated that the letter would advocate for inclusion of Provincial support for drinking water source protection at rural schools and nursing homes. The Chair inquired whether the Committee supported the intent of the letter, and all were in favour.

8) **Updates from the Source Protection Committee**

a) **Roundtable Updates from the Source Protection Committee**

Jeff Peters noted that the agricultural sector is working to decrease phosphorus levels in Lake Erie. Kim Sytsma added that a pilot project in the Lake Erie basin is ongoing regarding farm groups incorporating nutrient application best practices into operations. She provided supporting education materials.

Richard Bresee noted his concern regarding commercial and recreational activities along shorelines within intake protection zones.

Nona Mariotti noted increasing development for waterfront properties around inland lakes, notably via the vacant land condominium process. She highlighted the lack of oversight by the Ontario Ministry of Natural Resources and Forestry regarding species at risk considerations on subject lands.

Richard Lindgren provided an update regarding upcoming changes to Ontario Regulation 903 (wells) and recent meeting outcomes with the Ontario Minister of the Environment and Climate Change regarding drinking water for rural and First Nations communities.

Michael Farrell noted the change to bottled water legislation now requires that water bottling firms pay a fee of \$500 per million liters to the Province of Ontario.

Rob McRae summarized the status of the Risk Management Office noting Holly Evans remains the current Risk Management Officer / Inspector at the CRCA, but her work time will be allocated to other duties in future. The Cataraqui Source Protection Authority will continue to support a regional risk management office approach over the next three years via the Conservation Authority, with the implementation details to be confirmed.

b) Key Outcomes from the Source Protection Committee Chairs' Meeting, October 2017

Chair John Williamson summarized the key outcomes from the Chairs' meeting held at Toronto in October, specifically noting:

- Source Protection Municipal Implementation Funds are underspent across Ontario;
- The MOECC is making good progress on source protection for First Nations communities but it is properly a Federal responsibility;
- The MOECC has indicated that Committee Chairs should be the "champions" of source protection communication in their home communities;
- Bruce Davidson spoke regarding the Walkerton drinking water contamination tragedy (2000) and ongoing efforts to prevent drinking water contamination.

Mary Wooding mentioned that there are funds available for Committee members to engage with their sectors and the community.

c) Overview of Combined Sewer Overflow Project

Greg Newman provided a presentation summarizing the ongoing efforts pertaining to the Combined Sewer Overflow Project in the City of Kingston. Some of the types of modifications by the City, Utilities Kingston and landowners to help reduce the frequency and volume of combined sewer overflow have included increasing the required landscape area for new development (thereby increasing infiltration), incorporating low impact development techniques for stormwater management, building storage tanks, and separating combined sewers.

Mr. Newman explained the active separation program relies on funding resources and priority locations are determined based on concurrent infrastructure improvements and development pressures. For more information on this aspect, refer to the online interactive website mapping tool: <http://cityofkingston.maps.arcgis.com/apps/Time/index.html?appid=61e009a285ae49b497aca4a9b114fadc>

The Chair thanked Mr. Newman for his presentation, and noted that the need to address combined sewer overflows is highlighted by policies in the Cataraqui Source Protection Plan (2014).

9) Business/Reports

a) Drinking Water Source Protection Workplan Direction – Phase 1

Katrina Furlanetto provided a presentation outlining recommendations from CRCA staff for the upcoming review of the Cataraqui Assessment Report (2011) and Source Protection Plan (2014) through providing a list of candidate topics (based on Appendix 6 to CRCA staff report IR-096-17-CSPC, November 30, 2017).

During the presentation, Mary Wooding noted there will be MOECC updates such as a climate change adaptation guidance document to be expected in March 2018. She also noted Technical Rules Phase II amendment discussions are ongoing. Phase II amendments may affect the minimum time of contaminant travel in intake protection zones, and the designation of above-

grade fuel activities and pipelines as significant drinking water threats in vulnerable areas, among other topics. The approval timeline for the Ministry's Phase II amendments is unknown.

Committee members noted the need to assess highways as a drinking water threat due to increased volumes of contaminant transportation and the frequency of accidents on major roadways in the Cataraqui Source Protection Area, such that spills pose a risk to drinking water sources.

b) Source Protection Committee Sector Knowledge Inquiry and Facilitated Discussion

Katrina Furlanetto provided a follow-up presentation to discuss recent and future changes proposed within each of the represented sectors, as well as ranking topics for the Section 36 review work plan as either "higher" or "lower" priority.

Notable comments from the discussion included:

- Incorporate a climate change review aspect within each of the priority topics and associated technical work rather than conducting a separate study, as climate variability is critical for future planning.
- Consider industrial site excavation near the Lake Ontario shoreline as it may pertain to the identification of "conditions" affecting drinking water sources
- Prepare information for the Committee on the background assumptions that were made for delineating IPZ-2 zones around the eight (8) eastern Lake Ontario and upper St. Lawrence River intakes.
- Consider the effectiveness of using educational policies for small quantities of waste, rather than risk management plans, as the latter approach is not enforceable.
- Continue to explore transportation corridors (e.g., pipelines, highways, railways) and above-grade fuel activities as local drinking water threats and their impact on vulnerable areas, as well as the potential impact of reclassifying the western intakes and delineating an issue contributing area for the Bath intake.

The amended list of priority topics is attached as Appendix 1 and includes the original "higher" or "lower" ranking, the adjusted ranking based on the November 30 meeting, and the discussed action required prior to the next Committee meeting. The revised list will be used as a guide for developing the preliminary scope of the draft workplan proposal.

**Resolution # CSPC 02-17**

Moved by: Richard Bresee  
Seconded by: Kim Sytsma

THAT the Cataraqui Source Protection Committee ENDORSE IN-PRINCIPLE higher priority topics for inclusion in the workplan for review of the Cataraqui Assessment Report (2011) and Source Protection Plan (2014), as determined at the November 30<sup>th</sup>, 2017 meeting.

**10) Announcements or Inquiries**

Updated Ontario Regulation 170/03 guides for [designated facilities](#) and [non-municipal year-round residential systems](#) are online for reference and distribution.

- a) The Ontario Minister of the Environment and Climate Change's [Annual Report on Drinking Water in Ontario, 2017](#), is available for reference with specific reference to drinking water source protection initiatives.
- b) Opening of the expansion of the Point Pleasant Water Treatment Plant in the City of Kingston occurred on November 24<sup>th</sup>, 2017. Chair John Williamson requested that in future the City of Kingston / Utilities Kingston should include the Committee as an invitee to similar events. Greg Newman indicated that he would facilitate such invitations.

**11) Motions/Notice of Motion**

There were none.

**12) Opportunity for Questions from the Media**

There were no questions.

**13) IN CAMERA Session**

This was not required.

**14) Next Meeting**

The next meeting of the SP Committee was tentatively scheduled for February 21, 2018 at 7:00 pm in the Little Cataraqui Creek Conservation Area Outdoor Centre in Kingston. However, due to municipal reporting timelines, **March 1<sup>st</sup>, 2018** is now proposed. A meeting has also been scheduled for March 21, 2018 (7:00 pm at the same location).

**15) Adjournment**

The meeting was adjourned at 9:35 PM on a motion by Gary Davisson.

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John Williamson, Chair

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Katrina Furlanetto,  
Coordinator, Source Protection

Appendix 1 – Amended priority topics list based on Committee member input at the November 30, 2017 meeting

Topic	CRCA Staff Recommended "Lower" vs. "Higher" Priority	Amended Priority Ranking	Action Items from the November 30, 2017 Meeting
Climate change review	Lower	Higher	<p>Consider climate change vulnerability in all priority topics rather than conducting a separate review. Review the adaptation guidance when available from the MOECC and Conservation Ontario regarding incorporating climate change into drinking water source protection</p> <p>Provide background on the available data and define the climate change data required for consideration at the next meeting.</p>
Blue green algae assessment	Lower	Lower	Include blue green algae assessment when considering climate change data and future planning. Not required as a separate listed topic.
IPZ-2 delineation	Higher	Lower	Provide background review of the eastern Lake Ontario and upper St. Lawrence River intake delineation study assumptions for time of contaminant travel and delineation of the intake protection zones.
IPZ-3 delineation	Lower	Lower	This item is being reviewed by MOECC, and the minimum 2-hour time of travel may be increased as part of the Phase II amendments to the Technical Rules.
Miller Manor Tier 1 water budget	Lower	Lower	Not a priority item at this time.
Lansdowne groundwater	Lower	Lower	Not a priority item at this time.
Conditions	Lower	Lower	Consider the impact of industrial shoreline development as a potential previous condition.
Small quantities of waste	Higher	Higher	Review negotiations of risk management plans for small quantities of waste to determine the impact and implication of using education policies and reduced enforceability.

Commercial vs. retail definitions	Higher	Higher	<p>Continue to explore policy options to clarify the definition and quantity requirements of commercial and industrial versus retail handling and storage of hazardous waste to improve risk management implementation efforts. Consider exempting retail distribution where products are pre-packaged and unopened.</p> <p>MOECC is currently reviewing this wording and quantity thresholds and will be providing an update in its Phase II amendments to the Technical Rules.</p>
Additional local threats	Higher	Higher	<p>Continue to explore pipelines, highways, and railroads as local significant drinking water threats and determine the impact and work required to provide risk management services to these areas.</p> <p>MOECC is currently reviewing pipelines as a potential significant drinking water threat as part of the Phase II of amendments, and may change the related Technical Rules.</p>
Western Intake Reclassification	Higher	Higher	<p>Continue to explore the impact of all three proposed management options for the four western intakes to determine whether there would be reduced risks to source water quality should significant drinking water threats be added in the area.</p>
Above-grade fuel (outside, >250L, wellhead protection areas)	Higher	Higher	<p>Consider above-grade fuel activities located outside with volumes of greater than 250 liters a local significant drinking water threat in wellhead protection areas and determine the impact and work required to provide risk management services to these areas.</p> <p>MOECC is currently reviewing this activity as a significant drinking water threat in wellhead protection areas (it is already approved for vulnerability score 9 and 10 for intake protection zones) and may introduce Phase II amendments.</p>
Issue contributing area	Higher	Higher	<p>Continue to work with Loyalist Township to determine the feasibility and impact of delineating an issue contributing area around the Bath drinking water system to include significant drinking water threat activities pertaining to increased sedimentation and associated bacterial concentrations.</p>