

February 17, 2023

City of Toronto
Attention: John Elvidge, City Clerk
13th Floor W., 100 Queen Street W.
Toronto, ON
M5H 2N2
Email: clerk@toronto.ca

RE: Notification of Consultation Pursuant to Sections 34 of the *Clean Water Act, 2006* and Ontario Regulation 287/07

Written Comments due by Friday, April 14, 2023
Municipal Council Resolution due by Monday, May 21, 2023

You are receiving this correspondence because of proposed amendments to the Credit Valley - Toronto and Region – Central Lake Ontario (CTC) Source Protection Plan to include technical work for the new Toronto Island Water Treatment Plant Intake and the new Ashbridges Bay Treatment Plant Outfall.

The Credit Valley Source Protection Authority (CVSPA) is the lead authority in the CTC Source Protection Region and as such along with the CTC Source Protection Committee initiated an update to the [CTC Source Protection Plan](#) and [Toronto and Region Assessment Report](#) under s.34 of the *Clean Water Act, 2006*. This Pre-Consultation notice is a formal request for your comments and a municipal council resolution for the proposed amendments.

Regulatory Background

Section 34 of the *Clean Water Act (CWA), 2006* provides a Source Protection Authority (SPA) the process to carry out locally initiated amendments to source protection plans and assessment reports. **Pre-consultation** refers to the regulatory requirements within O. Reg. 287/07 to send notices to persons or bodies responsible for implementing policies, including government ministries that have obligations under the CWA. Prior to conducting public consultation, the CWA requires the SPA to obtain a **municipal council resolution** from each municipality affected by the amendments. A municipality may be considered “affected” if it is located within a geographic area related to the amendments, and/or the municipality is responsible for taking actions or otherwise implementing source protection policies related to the amendments.

Proposed Amendments

In response to increased demand for lake-water cooling of downtown office towers and to provide added resilience for City of Toronto’s water supply, one of the former shallow intakes for the Toronto Island Water Treatment Plant is being retrofitted by

ENWAVE to develop a new intake at about halfway between the decommissioned shallow intake location and three existing deep-water intakes. The City of Toronto is also undertaking a major infrastructure upgrade to create a new outfall for the Ashbridges Bay Wastewater Treatment Plant (ABTP) with increased capacity and greater diffusion capability further from the lakeshore. The current intake will be maintained for emergency use.

The City of Toronto undertook technical work to map Intake Protection Zones for the new intake, ascertain the potential water quality threats to this intake, and assess threats posed by the new ABTP outfall to Lake Ontario intakes. Results demonstrated that both the new and existing ABTP outfalls pose a significant drinking water threat to the new intake. Furthermore, results indicate E. coli densities from the new and existing ABTP outfalls to be similar for the deep-water intakes.

The CTC Source Protection Plan and Toronto and Region Assessment Report will be updated to reflect the addition of the new Ashbridges Bay outfall as a significant drinking water threat to the Toronto Island intakes and include the location of the new intake and outfall.

The current proposed amendments also include changes to other Drinking Water Systems for the Region of York and Region of Peel that do not affect the City of Toronto. Appendix A provides a summary of updates to the CTC Source Protection Plan and Assessment Reports relevant to Toronto. The link in Appendix A provides a summary of amendments to these documents; highlighted text, figures and tables are specifically relevant to the City of Toronto.

Requests and Next Steps

- **Written Comments:** We welcome your written feedback on the proposed amendments. These comments can be sent via email to ctcswp@cvc.ca by 5:00 pm on Friday, April 14, 2023.
- **Municipal Council Resolution:** City of Toronto and CTC staff have been working collaboratively to prepare a report for your council. A council resolution is requested by 5:00 pm on Monday, May 21, 2023

Once the pre-consultation period ends, written comments will be reviewed by the CTC Source Protection Committee's Amendments Working Group and if necessary, changes will be made to the Source Protection Plan and Assessment Reports. Following municipal council endorsement, a mandatory **Public Consultation** period will take place for a minimum duration of 35 days. Based on the above timelines, public consultation is anticipated to take place during June 5 to July 12, 2023.

The amendments will then be received by the CTC Source Protection Authorities Source Protection Authorities for endorsement and authorization to submit the documents to the Ministry of the Environment, Conservation and Parks. Lastly, the proposed amendments will be considered by the Minister for approval.

If you require further information or have any questions, please do not hesitate to contact me. Thank you for your continued support and participation in efforts to protect our sources of drinking water.

Best regards,



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Credit Valley Conservation
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cc. Lou Di Gironimo, General Manager of Toronto Water, City of Toronto
(Lou.DiGironimo@toronto.ca)
Frank Quarisa, Director of Wastewater, City of Toronto
(frank.quarisa@toronto.ca)
Bill Snodgrass, Senior Engineer, City of Toronto (bill.snodgrass@toronto.ca)
Don Ford, Senior Manager, Toronto and Region Conservation Authority
(Don.Ford@trca.ca)

Appendix A: Summary of Update to CTC Source Protection Plan and Assessment Reports.

Appendix A: Summary of Updates to CTC Source Protection Plan and Assessment Reports.

No.	Section or Figure	Brief Description of Anticipated Amendment	Estimated Timing to Submit Proposed Amendment to Ministry of the Environment, Conservation, and Parks
Toronto and Region Assessment Report			
1.	Executive Summary	Version Control table: summary of amendments	September 2023
2.	Executive Summary	Figures ES:3 & ES:4 Update maps to include the updated intake locations	September 2023
3.	Chapter 2	Update text, maps (Fig. 2.6), and tables (2-6) to reflect the new deep intake for the Toronto Island system	September 2023
4.	Chapter 4	Update text (Section 4.6.3), maps (Figs. 4.29, 4.30) and tables (4.7) to reflect the updated information for the new Toronto Island Intake	September 2023
5.	Chapter 5	Update text (Section 5.7.6), maps (Figs. 5.32-5.44, 5.46-5.50) and tables (5.18-5.20) to reflect the updated information for the new Toronto Island Intake and the new Ashbridges Bay Outfall.	September 2023
6.	Chapter 7	Update Bibliography to include new reference to Toronto’s foundation memos for the updated modelling and threat assessments.	September 2023
CTC Source Protection Plan			
1.	Preface/Version Control	Updates to note version of Technical Rules used in amendment	September 2023
2.	Chapter 2	Figure 2-2. Update map of CTC SPR (WHPAs) and updated intake locations	September 2023
3.	Chapter 4	Section 4.1.2. Include description of updates to assessment reports	September 2023
4.	Chapter 4	Section 5.1.10. Include description of consultation on proposed amendments	September 2023
5.	Chapter 8	Section 8.3. Summary of proposed Source Protection Plan amendments	September 2023
6.	Chapter 10	Section 10.1.2. Summary of assessment report amendment in Amendments definition table	September 2023
7.	Chapter 10	Section 10.12.3.	September 2023
8.	Appendix F	Map 4.1: Lake Ontario Intakes – Modelled Significant Threat Locations . Update map to include the updated intake locations and WWTP Diffusers	September 2023

9.	Appendix F	Map 4.2: Lake Ontario Intakes – Moderate and Low Threat Locations. Update map to include the updated intake locations	September 2023
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The assessment report sections and associated source protection plan amendments can be [downloaded using this link](#). Proposed amendments have been tracked in the documents, yellow highlighted text, maps and tables are specifically relevant to the City of Toronto.

Please note, only those amendments outlined in the table above affect City of Toronto.