



Source Water Protection Annual Report

2024 - Supplemental Form

SPR - CTC

Report Id Completed Question

10 True As applicable to your source protection region/area, indicate if all relevant implementing bodies submitted a status update/annual report to the source protection authority for the previous reporting year. If "No" is selected for any implementing body(ies), then please complete the Comments field below with details including the name of the specific implementing body along with an explanation, if available, for not submitting a status update/annual report as required by a monitoring policy. *NOTE: Where a listed implementing body(ies) is not applicable/relevant to your source protection region/area, then simply select "No" and explain that it is not an applicable implementing body in your source protection region/area in the Comments field text box.

Response	Answer
Risk Management Official	Yes
Municipality	Yes
Conservation Authority	Yes
Local Health Unit	No
MECP - Waste Disposal Sites - Landfilling and Storage	Yes
MECP - Wastewater/Sewage Works	Yes
MECP - Pesticides	Yes
MECP - Hauled Sewage/Biosolids	Yes
MECP - Hauled Sewage/Biosolids Inspections	Yes
MECP - Permit to Take Water	Yes
MECP - Permit to Take Water Inspections	Yes
MECP - Municipal Residential Drinking Water Systems	Yes
MECP - Municipal Residential Drinking Water Systems Inspections	Yes
MECP - Source Protection	No
MECP - Waste Disposal Sites - Landfilling and Storage Inspections	Yes
MECP - Wastewater/Sewage Works Inspections	Yes
MECP - Conditions Sites	No
MECP - NMA - ASM and NASM Inspections	Yes
MECP - Environmental Monitoring	No
MECP - Fuel	Yes
MECP - Great Lakes	Yes



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MECP - Spills Response	Yes
MECP - Wells	No
OMAFRA	Yes
MNRF	Yes
MTO	Yes
MMAH	Yes
MGCS-TSSA	Yes
MENDM	No
Provincial Board/Commission	Yes
Federal Departments/Agencies/Commissions/Crown Corporations	No
Private Entity/Company	No
Association/Organization	No

Comment: MECP - Source Protection: has not identified policy implementation status

Local Health Unit - Not applicable implementing body: cooperation on policy SWG-7 only.
 MECP Condition Sites - Not applicable implementing body: no identified conditions sites in CTC.
 MECP Environmental Monitoring - Not applicable implementing body, see policy LO-G-2 for cooperation with LOCG
 MECP Wells - not applicable implementing body
 MENDM - Not applicable implementing body
 Federal Departments/Agencies/Commissions/Crown Corporations - Not applicable implementing body
 Private Entity/Company - Not applicable implementing body
 Association/Organization - Not applicable implementing body

Note: CTC hosted an introductory/refresher session for municipal planning staff across CTC on Drinking Source Water Protection in March 2024. This session went over the basics of source protection, including implementation and reporting. CTC are continuing efforts to engage municipalities with responsibilities for moderate/low policies or where planning responsibilities have shifted.



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Report Id	Completed	Question	Category
20	True	Did the Source Protection Authority indicate the status of all threat policies as contained in their source protection plan? Please provide details in the response field text box in the Policy Interface for policies with a "No Progress Made" and "No information available/no response received" implementation status especially for legally-binding policies that address significant drinking water threat activities and for any moderate/low threat policies that use prescribed instruments and Planning Act tools.	Implementation status of source protection plan policies
Answer:		Yes	
Comment:			

Report Id	Completed	Question	Category
21	True	Did the source protection authority(ies) confirm the accuracy of the implementation status of all threat policies as contained in their source protection plan and located on the policy interface database for the current reporting year?	Monitoring Policy Implementation
Answer:		Yes	
Comment:			

Report Id	Completed	Question	Category
22	True	Did all source protection authority(ies) confirm that if a policy is significant and legally binding and has not been implemented by a person or a body by the implementation date specified in the policy, that there are written comments that include a description of the failure and the reasons for the failure as per O.Reg 287/07 s.52(1)1.?	Monitoring Policy Implementation
Answer:		Yes	
Comment:			



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Report Id Completed Question

30 True Number of risk management plans agreed to or established within the source protection area/region (to address existing and future threats) in this reporting period (i.e., annual total).

Current Year Cumulative Count

27 207

Provincial Total

27 207

Comment:

Report Id Completed Question

31 True Number of properties (i.e., parcels) with risk management plans agreed to or established in this reporting period.

Current Year Cumulative Count

27 239

Provincial Total

27 239

Comment:

Report Id Completed Question

32 True How many existing* significant drinking water threats have been managed through the established risk management plans in this reporting period (* meaning engaged in OR enumerated as existing significant threats)?

Current Year Cumulative Count

49 387

Provincial Total

49 387

Comment:



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Report Id Completed Question

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

Current Year Cumulative Count

29 301

Provincial Total

29 301

Comment:

Report Id Completed Question

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

Current Year Cumulative Count

12 91

Provincial Total

12 91

Comment:

Report Id Completed Question

61 True State the total number of inspections (including any follow-up site visits) that were carried out for activities (existing or future) that are prohibited under section 57 of the Clean Water Act in this reporting period. If no inspections were conducted in the previous calendar year, please explain.

Current Year Cumulative Count

51 261

Provincial Total

51 261

Comment:



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Report Id Completed Question

62 True Among the inspections conducted for section 57, how many showed that activities were taking place on the landscape even though they were prohibited (i.e., in contravention) under section 57 of the Clean Water Act in this reporting period?

Current Year Cumulative Count

0 0

Provincial Total

0 0

Comment:

Report Id Completed Question

63 True How many new properties were identified with s.57 prohibited activities during the reporting year (do not include properties established outside of this reporting year)?

Current Year Cumulative Count

0 0

Provincial Total

0 0

Comment:

Report Id Completed Question

70 True How many existing significant drinking water threats have been prohibited as a result of section 57 prohibitions in this reporting period?

Current Year Cumulative Count

0 34

Provincial Total

0 34

Comment:



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Report Id Completed Question

80 True State the total number of inspections (including any follow-up site visits) that were carried out for activities that require a risk management plan under section 58 of the Clean Water Act in this reporting period. If no inspections were conducted in the previous calendar year, please explain.

Current Year Cumulative Count

109 542

Provincial Total

109 542

Comment: One municipality noted that they did not conduct any "on-site" inspections for compliance with S.58 RMPs; rather their focus in 2024 was on administrative compliance checks. The compliance checks, require that RMP holders must submit paperwork on an annual basis demonstrating compliance with the existing RMP. These administrative compliance checks are not included in the reported number (109) above.

Report Id Completed Question

81 True Among the inspections conducted for section 58, how many were in contravention with section 58 of the Clean Water Act in this reporting period (i.e., person engaging in a drinking water threat activity without a risk management plan as required by the source protection plan)?

Current Year Cumulative Count

0 4

Provincial Total

0 4

Comment:



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Report Id Completed Question

82 True Among the inspections for section 58, how many were in non-compliance with the specific contents of the risk management plan in this reporting period? (NOTE: Please only include those inspections that showed non-compliance with measures/conditions to manage the actual threat activity.)

Current Year Cumulative Count

0 1

Provincial Total

0 1

Comment: For one municipality, administrative compliance checks through the annual reporting program did result in 14 non-compliances with administrative requirements outlined in the RMP to manage the threat activity. These are not included in the reported number above (0)

Report Id Completed Question

83 True State the total number of notices issued where there were cases of contraventions and/or non-compliance found with section 57 in this reporting period.

Current Year Cumulative Count

0 0

Provincial Total

0 0

Comment:

Report Id Completed Question

84 True State the total number of notices issued where there were cases of contraventions and/or non-compliance found with section 58 in this reporting period.

Current Year Cumulative Count

30 31

Provincial Total

30 31

Comment: Thirty s.58(7) notices were sent to property owners that still require a Risk Management Plan, but did not respond to municipal outreach efforts.



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Report Id Completed Question

85 True State the total number of orders issued for contraventions and/or non-compliance found with section 57 in this reporting period.

Current Year Cumulative Count

0 0

Provincial Total

0 0

Comment:

Report Id Completed Question

86 True State the total number of orders issued for contraventions and/or non-compliance found with section 58 in this reporting period.

Current Year Cumulative Count

4 4

Provincial Total

4 4

Comment: Four s.58(10) orders were issued to landowners requiring a Risk Management Plan who had not responded to s.58(7) notices.

Report Id Completed Question

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

Municipality

City of Pickering

Official Plan

Completed

Zoning By Law

Completed



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Township of King	Completed	Completed
Township of Uxbridge	Completed	Completed
Town of Aurora	Completed	In Progress/Updates Underway
Township of East Garafraxa	Completed	In Progress/Updates Underway
City of Mississauga	Completed	Not Applicable
Peel, Regional Municipality of	Completed	Not Applicable
York, Regional Municipality of	Completed	Not Applicable
Town of Whitchurch-Stouffville	Completed	Not Started
City of Toronto	Completed, but Under appeal	Not Applicable
Dufferin, County of	Completed, but Under appeal	Not Applicable
City of Vaughan	In Progress/Updates Underway	Completed
Town of Markham	In Progress/Updates Underway	Completed
Town of Caledon	In Progress/Updates Underway	In Progress/Updates Underway
Town of Erin	In Progress/Updates Underway	In Progress/Updates Underway
Town of Mono	In Progress/Updates Underway	In Progress/Updates Underway
Town of Oakville	In Progress/Updates Underway	In Progress/Updates Underway
Town of Richmond Hill	In Progress/Updates Underway	In Progress/Updates Underway
Township of Adjala-Tosorontio	In Progress/Updates Underway	In Progress/Updates Underway
Township of Amaranth	In Progress/Updates Underway	In Progress/Updates Underway
Town of Halton Hills	In Progress/Updates Underway	Not Started
Town of Milton	In Progress/Updates Underway	Not Started
Town of Orangeville	In Progress/Updates Underway	Not Started
Township of Scugog	Needs updating to reflect amended SPP	Completed
Town of Whitby	Needs updating to reflect amended SPP	In Progress/Updates Underway
Simcoe, County of	Needs updating to reflect amended SPP	Not Applicable
Wellington, County of	Needs updating to reflect amended SPP	Not Applicable
City of Oshawa	Needs updating to reflect amended SPP	Not Started



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Municipality of Clarington	Needs updating to reflect amended SPP	Not Started
City of Brampton	Not Applicable	Not Applicable
Durham, Regional Municipality of	Not Applicable	Not Applicable
Halton, Regional Municipality of	Not Applicable	Not Applicable
Town of Ajax	Not Started	In Progress/Updates Underway

Comment:

Report Id Completed Question

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

Current Year Cumulative Count

0 0

Provincial Total

0 0

Comment:

Report Id Completed Question

241 True State the number of source water protection signs installed on municipal roads in the source protection region/area in this reporting period.

Current Year Cumulative Count

9 17

Provincial Total

9 17

Comment: Note: 9 reported, awaiting confirmation whether these are new or replacement signs in 2019.



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Report Id Completed Question

242 True State the number of source water protection signs installed at other locations (if applicable) in the source protection region/area in this reporting period.

Current Year Cumulative Count

0 0

Provincial Total

0 0

Comment: Our best information suggests there are about 61 cumulative signs installed at other locations across CTC.

Report Id Completed Question

Category

260 True Current total overall number of on-site sewage systems that are assessed as significant drinking water threat activities and that are required to be inspected every five years in accordance with the Ontario Building Code.

Sewage System Inspections

Answer: 279

Comment:

Report Id Completed Question

Category

261 True Of those requiring inspections, how many inspections of on-site sewage systems were due to be carried out in this reporting period? If not applicable or no inspections of on-site sewage systems were due to be carried out in this reporting period because they were already inspected earlier within the inspection cycle or will be inspected in a future year within the cycle, then please enter "0" and state either explanation in the comment field.

Sewage System Inspections

Answer: 56

Comment:



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Report Id Completed Question

262 True How many on-site sewage system inspections were completed in this reporting period?

Current Year Cumulative Count

27 518

Provincial Total

27 518

Comment:

Report Id Completed Question

263 True How many of the inspected on-site sewage systems required minor maintenance work in this reporting period?

Current Year Cumulative Count

3 83

Provincial Total

3 83

Comment:

Report Id Completed Question

264 True How many of the inspected on-site sewage systems required major maintenance work (e.g., tank replacement, etc.) in this reporting period?

Current Year Cumulative Count

3 30

Provincial Total

3 30

Comment:



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Report Id	Completed	Question	Category
265	True	How many of the inspected on-site sewage systems required no maintenance work?	Sewage System Inspections
Answer:	21		
Comment:			



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Report Id Completed Question

266 True For those on-site sewage systems that were not inspected in this reporting period but should have been inspected, and are now out of compliance, please indicate why they were not all inspected from among the reasons below. [Note: For municipalities that have not yet initiated the mandatory on-site sewage system inspection program, please see the next reportable to provide your response if this is the case].

Response	Answer
landowner refused entry, compliance order being sought	Yes
inspections delayed/postponed due to COVID-19 restrictions	Yes
vulnerable area changed and on-site sewage system(s) no longer a threat activity	No
other. Please specify in the comment box below.	Yes

Comment: Two municipalities reported systems that were not inspected in 2024, but were due for inspection. For 27 systems in Whitchurch-Stouffville and 2 systems in Vaughan, ongoing inspection delays resulted from challenges relating to: limited staff resources for area municipalities, residential financial constraints, seasonal weather obstacles, and difficulties enforcing compliance with property owners who have leased their homes to tenants. Next steps include issuing of final notices and possible compliance orders. These municipalities have reported that they will complete their remaining inspections in 2025.



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Report Id Completed Question

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

DWIS Number	DWIS Name	Issue	ICA Delinated	Observation
220004037	Inglewood Well Supply	-- Decommissioned --	--Not Applicable --	-- No Observation --
220001673	Acton Well Supply	Nitrate	Yes	No Change in Concentration / Trend
220001673	Acton Well Supply	Nitrate	Yes	No Change in Concentration / Trend
220001655	Georgetown Well Supply	Chloride	Yes	Increasing Concentration / Trend
220001655	Georgetown Well Supply	Chloride	Yes	Increasing Concentration / Trend
220001655	Georgetown Well Supply	Chloride	Yes	Increasing Concentration / Trend
220003252	Orangeville Well Supply	Sodium	Yes	Increasing Concentration / Trend
220003252	Orangeville Well Supply	Sodium	Yes	Increasing Concentration / Trend
220003252	Orangeville Well Supply	Chloride	Yes	Increasing Concentration / Trend
220003252	Orangeville Well Supply	Chloride	Yes	Increasing Concentration / Trend
220003252	Orangeville Well Supply	Chloride	Yes	Increasing Concentration / Trend
220003252	Orangeville Well Supply	Chloride	Yes	Increasing Concentration / Trend
220003252	Orangeville Well Supply	Chloride	Yes	Increasing Concentration / Trend
220003252	Orangeville Well Supply	Chloride	Yes	Increasing Concentration / Trend
220003252	Orangeville Well Supply	Sodium	Yes	Increasing Concentration / Trend

Comment:



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To support municipalities and the requirements of Plan policies GEN-7, SAL-9, and SAL-13, along with questions raised by the Source Protection Committee, SPA staff have been continuing to work with municipal partners on implementing a multi-phase water quality assessment project. The project included a review and update of the statistical trend analysis method, established water quality data management standards, provided water quality sampling frequency recommendations, and involved the collaboration with the Oak Ridges Moraine Groundwater Program (ORMGP) to develop an automated water quality status and trend analysis tool.

The ORMGP CTC Source Protection Region Municipal Wells Water Quality Status, Trends, and Projections snapshot tool provides a platform for users to analyze municipal well water quality data (chloride, sodium, and nitrate+nitrite) using the preferred statistical analysis method. Through this tool, specific water quality parameters can be evaluated through status, trend, and projection analysis to monitor changes over time, and to monitor existing drinking water Issues (defined in the 2021 Technical Rules under the Clean Water Act, 2006). SPA and municipal staff can also use the tool to monitor and track projections of chloride, sodium, and nitrate+nitrite parameters at municipal production wells that do not have existing Issues.

The automated tool can be explored here: <https://owrc.github.io/snapshots/ctc/MunicipalWellWaterQualityStatus.html>.

To date, thirteen drinking water Issues exist at municipal production wells in three drinking water systems in the CTC Source Protection Region. The Source Protection Plan (policies SAL-9 and GEN-7) requires that municipalities establish more frequent sampling of raw groundwater from municipal production wells with existing Issues to help characterize the status, trend, and projections of the parameter concentrations associated with the Issue. Analysis of current Issues are based on the ORMGP automated water quality status and trend analysis tool and approved issue identification criterion.

In the Orangeville Drinking Water System (DWS), five wells have an existing chloride Issue (6, 9A, 9B, 10, and 11) and three wells have a sodium Issue (6, 9A, and 9B). Each of the wells with a chloride Issue showed an increasing trend in concentrations for the current monitoring period. Each of the wells with a sodium Issue showed an increasing trend in concentration for the current monitoring period.

In the Acton DWS, two wells (Davidson 1 and 2) have an existing nitrate Issue. Statistical analysis suggests seasonal variability in nitrate concentrations, however a stable and/ or decreasing trend is displayed for the current monitoring period.

In the Georgetown DWS, three wells have an existing chloride Issue (Cedarvale 1A, 4 and 4A). Each of the wells with a chloride Issue showed an increasing trend in concentrations for the current monitoring period.

SPA and municipal staff are also using the tool to monitor and track projections of water quality parameters at other municipal wells that do not have current issues. In York Region, staff are continuing their investigation into rising sodium and chloride levels at Stouffville PW3.

Regarding the Inglewood Well supply: Inglewood Well No. 2 previously had an identified issue for pathogens. This well was disconnected in 2020, decommissioned in 2021, and therefore removed from the CVSPA Assessment Report and CTC Source Protection Plan in May 2022. Accordingly, the municipality has discontinued monitoring this former issue there.

Across CTC, staff will be continuing the broader water quality/issues assessment of municipal drinking water supplies in 2025.



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

Current Year Cumulative Count

0 1

Provincial Total

0 1

Comment: At SPC Meeting #1/24, the Committee referred proposed transport pathway policies back to staff to further engagement with municipalities. The proposed transport pathway policies were brought back to SPC Meeting #1/25 were they were endorsed for inclusion into the s.36 amendment. To facilitate the implementation of the proposed policies, CVSPA will host a workshop for the CTC Implementation Working Group in spring/summer of 2025 to review the technical and policy background, discuss the role of a Qualified Person in proposed policy TP-3 and walk through case studies based on examples provided by implementing municipalities. The formal transport pathway notification process is expected to be finalized in 2025.



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Report Id **Completed** **Question**

281 True Where transport pathway notices were received, indicate the action(s) taken by the source protection region/area in response to receiving these notices:

Response	Answer
Provided information to municipalities about changes in vulnerability	No
Provided notice to Source Protection Committee for information	No
Situation continues to be monitored	No

Comment: Not applicable, as no Transport Pathway notifications were received in 2024. The development of a formal transport pathway notification process is expected to be finalized in 2025.



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Report Id	Completed	Question	Answer
300	True	[OPTIONAL]: If and where there are successful examples for each of the following initiatives in the source protection region/area (including from local municipalities, residents and businesses) that occurred in this reporting period that the authority wishes to highlight, then please indicate in the Comments field below. In your comments, please include details for each of the selected topics. Please limit the descriptions provided (e.g., one example for each topic or more could be included when the source protection authority feels they are exceptional/quite successful).	
Response			
Education and Outreach (in description include details, if available, on type and percentage of target population reached, outcome(s) achieved, etc.)			Yes
Incentives (in description include details, if available, on outcome(s) achieved, how widely available was the incentive, etc.)			Yes
Stewardship Programs			No
Best Management Practices			Yes
Pilot Programs			No
Research			Yes
Specify Action (e.g., road salt management, municipal by-laws, legislative or regulatory amendments, mapping, review of fuel codes, new airport facility design standards to manage runoff of chemicals from de-icing of aircraft, instrumentation, etc.)			Yes
Climate Change (e.g., data collection)			No
Spill prevention/spill contingency/emergency response plan updates			Yes
Transport pathways			Yes
Water quantity			Yes
Great Lakes			Yes
Other policies (i.e., strategic action, etc.)			No

Comment: E&O:

- Source water protection social media posts on Facebook reached 1,600 followers for the Township of Amaranth page.
- In Wellington County fifty-six education and outreach events were hosted that targeted: municipal departments, Risk Management Officials, industry groups, community events and schools. The County was a co-sponsor for the Waterloo-Wellington Children’s Groundwater Festival where over 6000 students and teachers registered for the 6-day event.

Incentives:

- York has an incentives program in place for risk management measures
- Orangeville’s water softener rebate program assisted 15 homeowners with upgrades to their water softener systems during the second full year



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of implementation. The programs supports both water conservation and reducing salt input into the Town's wastewater system, and the Well 10 capture zone.

Best Management Practices:

- In Orangeville, a social media campaign promoting source water protection and BMPs was implemented. The municipal website was also updated to promote best management practices for salt use, chemical storage and handling, and recharge enhancement.

Research:

- York Region is continuing a sodium and chloride research and mitigation pilot project in Stouffville
- SPA staff have been continuing to work with municipal partners on a multi-phase water quality assessment project, including collaboration with the Oak Ridges Moraine Groundwater Program to develop an automated water quality status and trend analysis tool.

Specify Action:

- Orangeville implemented a new law watering by-law to advance water conservation efforts.

Spill prevention/spill contingency/emergency response plan updates:

- The Lake Ontario Collaborative Group (Peel/Toronto/Durham) developed an intermunicipal notification procedure to define the municipality responsible for gathering information, running the model, and providing updates to neighbouring municipalities during a spill event.
- The City of Toronto developed a Spill Response Plan for water treatment and supply staff that outlines how to gather information about a spill, model the spill using the Lake Ontario Water Quality Forecasting System (LOWQFS), interpret results, assess the potential water quality impact at the drinking water treatment plant intakes in Toronto and neighbouring municipalities, and notify internal operations and neighbouring municipalities of the spill. Changes were proposed to the City's Spill Contingency Plan to integrate the use of the LOWQFS with the City's spill response procedures.
- Orangeville distributed spill kits were to RMP holders with designated DNAPL storage and handling threats as an incentive to negotiate and implement the RMPs and promote spill prevention awareness.
- In Wellington, stickers and metal tags were provided to proponents listing the Spills Action Centre number and that their location is located within a vulnerable area for municipal wells.

Transport pathways:

- Proposed transport pathway policies were consulted on with municipal staff and the SPC in 2024, and will be considered by the SPC in early 2025. A transport pathways workshop for the CTC Implementation Working Group is being planned for spring/summer of 2025.

Water quantity:

- This Town of Orangeville advanced a number of initiatives in 2024 as part of its water conservation efforts, including:
 - oan incentivized rain barrel program that sold 158 rain barrels
 - othe toilet rebate and water softener upgrade programs offers incentives to residents to replace older inefficient models newer efficient models
 - ocommencing a water meter upgrade program, which will allow residents to track their water usage online and allow for quick detection of leaks and other issues.



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oa new water conservation by-law

Great Lakes:

- Phase 2 work on the Lake Ontario Collaborative Group partners (Peel, Toronto, Durham) Lake Ontario Water Quality Forecasting System continued in 2024, including cybersecurity and functional enhancements.



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305 True

Complete the table below with the count data for each significant drinking water threat activity/local threat activity/condition being engaged in (i.e., enumerated as 'existing' significant threats) at the time of source protection plan approval or approval of amendments that include new / changing protection zones. Please use the best available information/desktop exercises, reports from Risk Management Officials, and other implementing bodies to provide the counts below. For convenience, the count data from the previous reporting year have been copied over, but please be sure to review, edit, and confirm the counts for accuracy in the table below. [CWA Section 46(1)(a)]

The running tally consists of the formula: A+B-C-D where:

A = Number of significant drinking water threats estimated when the source protection plan was first approved

B = Number of additional significant drinking water threats counted after the first source protection plan approval (not part of the original estimate)

C = Number of significant drinking water threats included in A that were determined through field verification to no longer exist because: (i) the threat was not actually engaged in at a particular location after all OR (ii) it was no longer engaged in (e.g., land may still have an agricultural operation but owner is no longer applying pesticides for their own reasons)

D = Number of significant drinking water threats addressed because a policy is implemented. (It is understood that multiple policies/policy tools may address a single threat on the landscape. If any one policy is implemented and directed at that single threat it is considered addressed.)

In the comments box below summarize any remaining significant threats needing to be addressed for each source protection authority and what actions will be taken to eliminate those threats. If all threats have been addressed for each source protection authority(ies) write "All known significant threats have been addressed" in the comments box. Note that this summary response will be posted under the objective summary section 2 of the report.

ThreatId	Threat	A	B	C	D
1	The establishment, operation or maintenance of a waste disposal site within the meaning of Part V of the Environmental Protection Act.	12	7	11	8
2	The establishment, operation or maintenance of a system that collects, stores, transmits, treats or disposes of sewage.	173	79	155	218
3	The application of agricultural source material to land.	7		8	
4	The storage of agricultural source material.	66	7	56	10
		37	12	45	2



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5	The management of agricultural source material.	0	0	0	0
6	The application of non-agricultural source material to land.	10	2	12	0
7	The handling and storage of non-agricultural source material.	1	0	1	0
8	The application of commercial fertilizer to land.	58	25	54	26
9	The handling and storage of commercial fertilizer.	90	13	100	2
10	The application of pesticide to land.	127	48	145	26
11	The handling and storage of pesticide.	111	17	128	0
12	The application of road salt.	546	12	632	479
		0			3
13	The handling and storage of road salt.	122	83	964	322
		5			
14	The storage of snow.	1	158	3	140
15	The handling and storage of fuel.	368	12	338	38
16	The handling and storage of a dense non-aqueous phase liquid.	288	73	296	44
17	The handling and storage of an organic solvent.	66	2	62	6
18	The management of runoff that contains chemicals used in the de-icing of aircraft.	0	0	0	0
19	Water taking from an aquifer without returning the water to the same aquifer or surface water body	233	0	0	233
20	Reducing recharge of an aquifer	2	0	0	2
21	The use of land as livestock grazing or pasturing land, an outdoor confinement area or a farm-animal yard. O. Reg. 385/08, s. 3.	174	4	166	4
22	The establishment and operation of a liquid hydrocarbon pipeline	12	0	0	12
1000	Water conditioning salts from water softeners	0	0	0	0



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1001	Transportation of specified substances along corridors	0	0	0	0
1002	Spill of Tritium from Nuclear Generating Station	2	0	0	2
1003	Handling storage of fuel	0	0	0	0
1004	Transportation, storage and handling of diesel/gasoline	0	0	0	0
1005	Transportation of Agricultural and Non-Agricultural Source Materials	0	0	0	0
1006	International Shipping Channel within IPZ2	0	0	0	0
1007	Transportation of hazardous substances along transportation corridors	0	0	0	0
1008	Transportation or Storage and Handling of Fuel in an Event Based Area	0	0	0	0
1009	Waterfowl	0	0	0	0
1010	Local condition	0	0	0	0
	588	606			
	8	3			
			Totals:	10080	554
				4571	5888

Comment: There are 16 other identified significant threats to CTC Lake Ontario intakes (4 WWTP disinfection failures, 6 WWTP bypasses, 4 STS breaks, and 2 petroleum storage spills) from within the CTC area, not identified in this table. There are another 9 significant threats (4 pipeline breaks, 1 bulk storage spill, 3 WWTP disinfection failures, and 1 mini tank spill) to CTC Lake Ontario intakes from locations outside the CTC, also not included in this table.

MECP Calc (C+D)/(A+B): 98 %



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Report Id	Completed	Question	Category
310	True	Please provide comments below to explain the overall progress made in addressing existing significant threat activities and include the percentage of overall progress made within the comments provided. The percentage of overall progress made in addressing local threats and conditions that are taking place on the landscape is determined by taking the total number in column D (i.e., significant drinking water threat addressed because policy is implemented) from the table above (reportable 305) adding it to C (i.e., significant threats determined through field verification to no longer be threats) and dividing it by the number that is derived by adding the total numbers in columns A and B. In other words, overall progress made = (C+D)/(A + B).	Addressing existing enumerated threats
Answer:		Percentage of overall progress: ~98.4%	

Comment:

Report Id	Completed	Question	Category
320	True	If applicable, where the 2013/2017 technical rules were used for the assessment report update/amendment, provide a summary of steps taken to further assess or implement the plans of work described in technical rule 30.1: Water Budget Tier 3 not included in your original assessment report(s).	Assessment report information gaps
Answer:		Not applicable	

Comment:

Report Id	Completed	Question	Category
321	True	If applicable, where the 2013/2017 technical rules were used for the assessment report update/amendment, provide a summary of steps taken to further assess or implement the plans of work described in technical rule 50.1: GUDI for WHPA-E or F not included in your original assessment report(s).	Assessment report information gaps
Answer:		Not applicable	

Comment:



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Report Id	Completed	Question	Category
322	True	If applicable, where the 2013/2017 technical rules were used for the assessment report update/amendment, provide a summary of steps taken to further assess or implement the plans of work described in technical rule 116: Issue Contributing Area not included in your original assessment report(s).	Assessment report information gaps

Answer: Not applicable

Comment: Note: Rule 116 has been removed from the most recent approved Technical Rules (2021).

Report Id	Completed	Question	Category
323	True	[OPTIONAL] If applicable where the 2021 technical rules were used for the assessment report update/amendment, provide a summary of steps taken to further assess or implement the plans of work described in technical rule 30.1: Water Budget Tier 3 not included in your original assessment report(s).	Assessment report information gaps

Answer: Not applicable

Comment: No work plans were required to be implemented for our assessment report(s).

Tier 3 Water Budget updates are planned for Town of Orangeville and Halton Region. SPA staff continue to engage with other municipalities to consider the impacts of changes in land-use, growth, and water takings.

Review of the 2021 Technical rules is ongoing and the Source Protection Committee is guiding a multi-year comprehensive review and update of the CTC Source Protection Plan and Assessment Reports under s.36 of the Clean Water Act, 2006.



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Report Id	Completed	Question	Category
324	True	[OPTIONAL] Where the 2021 technical rules were used for the assessment report update/amendment, provide a summary of steps taken to further assess or implement the plans of work described in technical rule 50.1: GUDI for WHPA-E or F not included in your original assessment report(s).	Assessment report information gaps
Answer:		Not applicable	
Comment:			



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Report Id	Completed	Question	Category
330	True	Does the source protection authority have any other item(s) on which it wishes to report? If so, please explain.	Other reporting items
Answer:		<p>Regarding SPP policy T-6 (extension to s.58 RMP completion deadline):</p> <p>In 2020, the CTC Source Protection Committee authorized a 3-year extension (to December 31, 2023) for the completion of outstanding risk management plans (RMPs) that were originally required to be finalized by December 31, 2020. The 3-year extension, was further approved by the Ministry of Environment, Conservation and Parks. The CTC Source Protection Region provided a work plan on establishing the remaining outstanding RMPs, to the Ministry, on April 29, 2021. In March 2023, the CTC Source Protection Committee authorized a further 2-year extension (to December 31, 2025) to this deadline, which was approved by the Ministry of Environment, Conservation and Parks in November 2023. Staff from the three impacted municipalities sought and received support for their ongoing RMP implementation from their respective councils in late 2023.</p> <p>On Mar. 20, 2024, the CTC Source Protection Committee received an annual update on municipal progress in completing RMPs to address existing significant drinking water threats, as per the revised deadline. Thirty-three RMPs to address outstanding existing significant threats were completed in 2023, relative to the target of forty-four in the revised workplan to complete RMPs by December 2025. The shortfall was attributed to a number of factors, including: agricultural RMP negotiation window limitations and limited availability; ongoing need for reengagement with property owners; desire to maintain positive relations with property owners; property ownership changes; slow progress for upper level government properties; low response to outreach attempts; resistance to final sign-off; and limited staff resources/turnover.</p> <p>On Mar. 19, 2025, the CTC Source Protection Committee will receive an annual update on municipal progress in completing RMPs to address existing significant drinking water threats, as per the revised deadline. Twenty-seven RMPs to address outstanding existing significant threats were completed in 2024. Progress on establishment of RMPs that have an end of 2025 deadline, will require significant efforts in affected municipalities. Challenges have included reluctant or difficult to reach landowners or property managers, time-consuming nature of negotiations, and staff resources. Should RMP negotiations not progress successfully with landowners successfully, municipalities may need to resort to issuing Orders under s.58(10) of the Clean Water Act in order to meet the year-end deadline. There are a further sixty RMPs that will need to be completed in 2025 in meet the December 2025 deadline.</p>	
Comment:			



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Report Id **Completed** **Question**

350 **False** In the opinion of the Source Protection Committee, to what extent have the objectives of the source protection plan been achieved in this reporting period?

Response **Answer**

Progressing Well - The majority of the policies from the approved original or an amended source protection plan have been implemented and/or are progressing well No

Satisfactory - Some of the policies from the approved original or an amended source protection plan have been implemented and/or are progressing well No

Limited Progress made - A few of the policies from the approved original or an amended source protection plan have been implemented and/or are progressing well No

Comment: In it its review of the 2024 Annual Progress Report, the CTC Source Protection Committee chose....



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Report Id	Completed	Question	Category
351	False	Please provide comments to explain how the Source Protection Committee arrived at its opinion. Include a summary of any discussions that might have been had amongst the Source Protection Committee members, especially where no consensus was reached.	Achievement of source protection plan objectives
Answer:		Staff of the CTC Source Protection Region conducted a detailed analysis of the data received from policy implementing bodies and developed the draft 2024 Annual Progress Report and Supplementary Report. The CTC Source Protection Committee (SPC) was provided the draft 2024 Annual Progress Report and Supplementary Report on March 12, 2025, for its consideration in assessing implementation progress. At its March 19, 2025 meeting, the SPC assessed that the implementation of the Source Protection Plan has	
Comment:			