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December 7, 2022

The Corporation of The Municipality of Trent Hills
66 Front Street
Campbellford, Ontario K0L 1L0

Attention: Lynn Phillips, C.A.O.

RE: Hastings Drinking Water System
Drinking Water Inspection Report 1-126671421
File: SI NO TH FR 540

Please find attached the Ministry of the Environment's inspection report for the above facility. The report details the findings of the inspection that began on October 27, 2022.

The Appendix section of the inspection includes the Stakeholder Appendix A with links to key reference and guidance materials available on the Ministry of the Environment, Conservation and Parks (MECP) website. Appendix B contains the inspection rating record and an updated risk methodology memo.

Please note the attached IRR methodology memo describing how the risk rating model has improved to better reflect the health related and administrative non-compliance found in an inspection report. IRR ratings are published (for the previous inspection year) in the Ministry's Chief Drinking Water Inspectors' Annual Report.

In the inspection report, any "*Actions Required*" are linked to incidents of non-compliance with regulatory requirements contained within the Act, a regulation, or site-specific approvals, licenses, permits, orders or instructions. Such violations could result in the issuance of mandatory abatement instruments including Orders, tickets, penalties, or referrals to the ministry's Investigations and Enforcement Branch.

"*Recommended Actions*" convey information that the owner or operating authority should consider implementing in order to advance efforts already in place to address such issues as emergency preparedness, the availability of information to consumers, and conformance with existing and emerging industrial standards. Please note that items which appear as recommended actions do not, in themselves, constitute violations.

Please note, you will find in the report that bullets are shown in bold print and are the consistent and standard responses to the information gathered during the inspection. Statements shown in regular font provide additional site-specific details.

Section 19 of the Safe Drinking Water Act (Standard of Care) creates a number of obligations for individuals who exercise decision-making authority over municipal drinking water systems. Please be aware that the Ministry has encouraged such individuals, particularly municipal councillors, to take steps to be better informed about the drinking water systems over which they have decision-making authority. These steps could include asking for a copy of this inspection report and a review of its findings. Further information about Section 19 can be found in *"Taking Care of Your Drinking Water: A guide for members of municipal council"* found under "Resources" on the Drinking Water Ontario website at www.ontario.ca/drinkingwater.

The IRR will be sent separately and prior to any public release. (typically within 1-2 months of the completion of the inspection).

I would like to thank the staff for the assistance afforded to me during this compliance assessment. If you have any questions or concerns please contact myself or Jacqueline Fuller, Water Supervisor at 705-768-0436.

Yours truly,



Brittney Wielgos
Water Inspector
Drinking Water and Environmental Compliance Division
Ministry of Environment, Conservation and Parks

cc:

Scott White, General Manager of Infrastructure & Public Works Admin, Trent Hills
Scott Campbell, Water Operations Senior Operator, Trent Hills
Natalie Bocking, Medical Officer of Health, HKPR District Health Unit
Rhonda Bateman, CAO/Secretary Treasurer, Lower Trent Conservation
Jacqueline Fuller, Water Compliance Supervisor, Peterborough District Office, MECP



HASTINGS DRINKING WATER SYSTEM
188 FRONT ST W, TRENT HILLS, ON, M5V 3G5
Inspection Report

System Number: 210000470

Entity: THE MUNICIPALITY OF TRENT
HILLS

Inspection Start Date: 10/27/2022

Inspection End Date: 12/07/2022

Inspected By: Brittney Wielgos

Badge #: 754



(signature)

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1. Drinking Water System Owners Information

Appendix:

A. Stakeholders Appendix

NON-COMPLIANCE/NON-CONFORMANCE ITEMS

The following item(s) have been identified as non-compliance/non-conformance, based on a "No" response captured for a legislative or best management practice (BMP) question (s), respectively.

Question Group: Other Inspection Findings

Question ID	MRDW1046001	Question Type	BMP
Question: Is there a backflow prevention program, policy and/or bylaw in place that addresses cross connections and connections to high hazard facilities?			
Legislative Requirement	Not Applicable		
Observation/Corrective Action(s)			
There was no backflow prevention program, policy and/or bylaw in place.			

INSPECTION DETAILS

This section includes all questions that were assessed during the inspection.

Ministry Program: DRINKING WATER | **Regulated Activity:** DW Municipal Residential

Question ID	MRDW1001001	Question Type	Information
Question:			
What was the scope of this inspection?			
Legislative Requirement	Not Applicable		
Observation			
<p>The primary focus of this inspection is to confirm compliance with Ministry of the Environment, Conservation and Parks (MECP) legislation as well as evaluating conformance with ministry drinking water policies and guidelines during the inspection period. The ministry utilizes a comprehensive, multi-barrier approach in the inspection of water systems that focuses on the source, treatment, and distribution components as well as management practices.</p> <p>This drinking water system is subject to the legislative requirements of the Safe Drinking Water Act, 2002 (SDWA) and regulations made therein, including Ontario Regulation 170/03, "Drinking Water Systems" (O. Reg. 170/03). This inspection has been conducted pursuant to Section 81 of the SDWA.</p> <p>This inspection report does not suggest that all applicable legislation and regulations were evaluated. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements. On October 27, 2022, Provincial Officer Brittney Wielgos began an announced detailed inspection of the Hastings Drinking Water System.</p> <p>The inspection included a compliance assessment of applicable Ministry of Environment, Conservation and Parks (MECP) legislation, an inspection of the procedures within the treatment and distribution system, and a review of records.</p> <p>Records reviewed in conjunction with this inspection include: -Drinking Water Works Licence No. 150-103 Issue Number 3 (The Licence); and, -Drinking Water Works Permit No. 150-203 Issue Number 3 (The Permit) -Permit to Take Water (PTTW) No. 4330-AA4KGX</p> <p>This inspection was conducted pursuant to section 81 of the Safe Drinking Water Act in order to assess compliance with the requirements of Ontario Regulation 170/03. The drinking water inspection included: physical inspections of the equipment and facilities; interviews with operating staff; and, a review of relevant documents from the period of</p>			

January 1, 2022 to October 27, 2022.

Question ID	MRDW1000001	Question Type	Information
Question: Does this drinking water system provide primary disinfection?			
Legislative Requirement	Not Applicable		
Observation			
<p>This Drinking Water System provides for both primary and secondary disinfection and distribution of water.</p> <p>The Hastings Drinking Water System (the System) is owned and operated by the Corporation of the Municipality of Trent Hills. The System consists of a conventional water treatment system and one offsite standpipe. Raw water is obtained from the Trent River, approximately one kilometer downstream of Rice Lake, via a single 300 mm diameter and 44 m long intake pipe.</p> <p>The System delivers treated water through a single pressure zone and consists of approximately 15 km of piping made up of ductile iron, cast iron, PVC and asbestos cement. The System serves approximately 1, 562 people in the Village of Hastings and also supplies water to Trentview Estates Distribution System located in the Township of Asphodel-Norwood. The System operates under Drinking Water System No. 210000470 and is classified as a Class 3 Water Treatment Plant Subsystem and Class 1 Water Distribution Subsystem.</p>			

Question ID	MRDW1010001	Question Type	BMP
Question: Are trends in source water quality being monitored?			
Legislative Requirement	Not Applicable		
Observation			
Trends in source water quality were being monitored.			

Question ID	MRDW1011001	Question Type	BMP
Question: Does the owner have a harmful algal bloom monitoring plan in place?			
Legislative Requirement	Not Applicable		
Observation			

The owner had a harmful algal bloom monitoring plan in place.

Question ID	MRDW1012001	Question Type	Legislative
Question:			
Does the owner have a harmful algal bloom monitoring plan in place that meets the requirements of the MDWL?			
Legislative Requirement	SDWA 31 (1);		
Observation			
The owner had a harmful algal bloom monitoring plan in place.			

Question ID	MRDW1014001	Question Type	Legislative
Question:			
Is there sufficient monitoring of flow as required by the MDWL or DWWP issued under Part V of the SDWA?			
Legislative Requirement	SDWA 31 (1);		
Observation			
<p>There was sufficient monitoring of flow as required by the Municipal Drinking Water Licence or Drinking Water Works Permit issued under Part V of the SDWA. At the time of the inspection sufficient flow meters were installed to permit the continuous measurement of the flow rates and daily volume to treated water that flows from the treatment subsystem into the distribution system in accordance with Condition 2 of Schedule C of the MDWL.</p> <p>The plant is equipped with six (6) flow measuring devices:</p> <ul style="list-style-type: none"> -one located on each of the clarifier influent pipes -two effluent flow monitors, 1 per train -one located on the backwash pump -one located on the high lift pump discharge header 			

Question ID	MRDW1015001	Question Type	Legislative
Question:			
Are the flow measuring devices calibrated or verified in accordance with the requirements of the MDWL issued under Part V of the SDWA?			
Legislative Requirement	SDWA 31 (1);		
Observation			

The flow measuring devices were calibrated or verified in accordance with the requirements of the MDWL issued under Part V of the SWDA.

The Municipality of Trent Hills retains the services of Tower Electronics Canada to calibrate flow meters for the System. Calibration records from November 2021 were reviewed for the inspection period. Calibrations are scheduled for November 2022.

The flow meters are being calibrated at least every year in accordance with Condition 3.0 of Schedule C of the MDWL.

Question ID	MRDW1016001	Question Type	Legislative
Question:			
Is the owner in compliance with the conditions associated with maximum flow rate or the rated capacity conditions in the MDWL issued under Part V of the SDWA?			
Legislative Requirement	SDWA 31 (1);		
Observation			
The owner was in compliance with the conditions associated with maximum flow rate or the rated capacity conditions in the Municipal Drinking Water Licence issued under Part V of the SDWA.			
Condition 1.1 of Schedule C of the MDWL requires that the System not be operated to exceed the rated capacity of:			
Hastings Water Treatment Plant: 1961 m3/day			
The rated capacity was not exceeded during the inspection review period. The maximum treated flow for the inspection review period was 903 m3/day in August 2022.			

Question ID	MRDW1017000	Question Type	Legislative
Question:			
Were appropriate records of flows and any capacity exceedances made in accordance with the MDWL issued under Part V of the SDWA?			
Legislative Requirement	SDWA 31 (1);		
Observation			
Appropriate records of flows and any capacity exceedances were made in accordance with the Municipal Drinking Water Licence issued under Part V of the SDWA.			

Question ID	MRDW1013001	Question Type	Legislative
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Question:	
Is the owner in compliance with all conditions of the PTTW?	
Legislative Requirement	OWRA 34 (3);
Observation	
<p>The owner was in compliance with all conditions of the PTTW. A Permit to Take Water (PTTW), number #4330-AA4KGX, was issued for the Municipality of Trent Hills. For the purpose of this inspection, the Terms and Conditions were assessed. The PTTW expires on April 30, 2026. The PTTW identifies Trent River as the source for water taking.</p> <p>The permitted maximum flow rate: Trent River -1,362 L/minute and 1,961 m3/day.</p> <p>Review of records indicate the daily flow limits were met.</p>	

Question ID	MRDW1018001	Question Type	Legislative
Question:			
Has the owner ensured that all equipment is installed in accordance with Schedule A and Schedule C of the Drinking Water Works Permit?			
Legislative Requirement	SDWA 31 (1);		
Observation			
The owner had ensured that all equipment was installed in accordance with Schedule A and Schedule C of the Drinking Water Works Permit.			

Question ID	MRDW1028001	Question Type	Legislative
Question:			
Are up-to-date plans for the drinking water system kept in place, or made available in such a manner, that they may be readily viewed by all persons responsible for all or part of the operation of the drinking water system in accordance with the DWWP and MDWL issued under Part V of the SDWA?			
Legislative Requirement	SDWA 31 (1);		
Observation			
Up-to-date plans for the drinking water system were kept in a place, or made available in such a manner, that they could be readily viewed by all persons responsible for all or part of the operation of the drinking water system in accordance with the DWWP and MDWL issued under Part V of the SDWA.			

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Question ID	MRDW1021001	Question Type	Legislative
Question:			
Is the owner/operating authority able to demonstrate that, when required during the inspection period, Form 2 documents were prepared in accordance with their Drinking Water Works Permit?			
Legislative Requirement	SDWA 31 (1);		
Observation			
<p>The owner/operating authority was in compliance with the requirement to prepare Form 2 documents as required by their Drinking Water Works Permit during the inspection period. During the inspection review period, one Form 2 - Record of Minor Modifications or Replacements to the Drinking Water System was prepared, dated August 2, 2022.</p> <p>The Form 2 document describes the replacement of the existing SCU controller of the duty chlorinator with an SFC-SC Controller.</p> <p>The Form 2 document reviewed was prepared in accordance with the DWWP.</p>			

Question ID	MRDW1023001	Question Type	Legislative
Question:			
Do records indicate that the treatment equipment was operated in a manner that achieved the design capabilities required under Ontario Regulation 170/03 or a DWWP and/or MDWL issued under Part V of the SDWA at all times that water was being supplied to consumers?			
Legislative Requirement	SDWA O. Reg. 170/03 1-2 (2);		
Observation			
<p>Records indicated that the treatment equipment was operated in a manner that achieved the design capabilities required under O. Reg. 170/03 or a Drinking Water Works Permit and/or Municipal Drinking Water Licence issued under Part V of the SDWA at all times that water was being supplied to consumers.</p> <p>The log removal attributed to the specific treatment processes at the Hastings Water Treatment Plant are stated in Schedule E of the MDWL 150-103: conventional filtration and chlorination. Operational requirements are listed for each process in order to meet the log removal/inactivation stipulated.</p> <p>The conventional filtration component requires a chemical coagulant to be used at all time when the treatment plant is in operation; effective backwash procedures; continuous monitoring of filtrate turbidity from each filter and performance criterion for filtered water</p>			

turbidity of less than or equal to 0.3 NTU in 95% of the measurement each month for each filter.

Chlorine gas is used for pre-chlorination at the intake pipe during zebra mussel control season; primary chlorination is applied at two injection points in the filter effluent; and post chlorination is injected at the high lift pump discharge header.

A review of records, including logbook entries and maintenance records, suggest that the System was operated in a manner that achieved the design capabilities required under the Procedure for Disinfection of Drinking Water in Ontario and O.Reg.170/03.

Question ID	MRDW1027000	Question Type	Legislative
Question:			
Does the owner have evidence indicating that all chemicals and materials which come in contact with water within the drinking water system have met all applicable AWWA and ANSI standards in accordance with the DWWP and MDWL issued under Part V of the SDWA?			
Legislative Requirement	SDWA 31 (1);		
Observation			
The owner had evidence indicating that all chemicals and materials that come in contact with water within the drinking water system met the AWWA and ANSI standards in accordance with the Municipal Drinking Water Licence and Drinking Water Works Permit issued under Part V of the SDWA.			

Question ID	MRDW1024001	Question Type	Legislative
Question:			
Do records confirm that the water treatment equipment which provides chlorination or chloramination for secondary disinfection purposes was operated as required?			
Legislative Requirement	SDWA O. Reg. 170/03 1-2 (2);		
Observation			
Records confirmed that the water treatment equipment which provides chlorination or chloramination for secondary disinfection purposes was operated so that at all times and all locations in the distribution system the chlorine residual was never less than 0.05 mg/l free or 0.25 mg/l combined.			

Question ID	MRDW1033001	Question Type	Legislative
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Question: Is the secondary disinfectant residual measured as required for the large municipal residential distribution system?	
Legislative Requirement	SDWA O. Reg. 170/03 7-2 (3); SDWA O. Reg. 170/03 7-2 (4);
Observation The secondary disinfectant residual was measured as required for the large municipal residential distribution system. The secondary disinfection residual is measured using a continuous analyzer at the Hastings standpipe located at 45 Division St. East.	

Question ID	MRDW1036001	Question Type	Legislative
Question: Where continuous monitoring equipment is not used for chlorine residual analysis, are samples tested using an acceptable portable device?			
Legislative Requirement	SDWA O. Reg. 170/03 6-7 (1);		
Observation Samples for chlorine residual analysis were tested using an acceptable portable device.			

Question ID	MRDW1049001	Question Type	BMP
Question: Do records confirm that disinfectant residuals are routinely checked at the extremities and dead ends of the distribution system?			
Legislative Requirement	Not Applicable		
Observation Records confirmed that disinfectant residuals were routinely checked at the extremities and dead ends of the distribution system.			

Question ID	MRDW1030000	Question Type	Legislative
Question: Is primary disinfection chlorine monitoring being conducted at a location approved by MDWL and/or DWWP issued under Part V of the SDWA, or at/near a location where the intended CT has just been achieved?			
Legislative Requirement	SDWA O. Reg. 170/03 7-2 (1); SDWA O. Reg. 170/03		

	7-2 (2);
Observation	
<p>Primary disinfection chlorine monitoring was conducted at a location approved by Municipal Drinking Water Licence and/or Drinking Water Works Permit issued under Part V of the SDWA, or at/near a location where the intended CT has just been achieved.</p> <p>Primary disinfection chlorine monitoring is conducted at the end of the chlorine contact chamber via an online chlorine analyzer.</p>	

Question ID	MRDW1031001	Question Type	BMP
Question:			
Are operators aware of the operational criteria necessary to achieve primary disinfection within the drinking water system?			
Legislative Requirement	Not Applicable		
Observation			
Operators were aware of the operational criteria necessary to achieve primary disinfection within the drinking water system.			

Question ID	MRDW1032001	Question Type	Legislative
Question:			
If the drinking water system obtains water from a surface water source and provides filtration, is continuous monitoring of each filter effluent line being performed for turbidity?			
Legislative Requirement	SDWA O. Reg. 170/03 7-3 (2);		
Observation			
Continuous monitoring of each filter effluent line was being performed for turbidity.			

Question ID	MRDW1035001	Question Type	Legislative
Question:			
Are operators examining continuous monitoring test results and are they examining the results within 72 hours of the test?			
Legislative Requirement	SDWA O. Reg. 170/03 6-5 (1)1-4; SDWA O. Reg. 170/03 6-5 (1)5-10;		
Observation			
Operators were examining continuous monitoring test results and they were examining the			

results within 72 hours of the test.

Question ID	MRDW1038001	Question Type	Legislative
Question:			
Is continuous monitoring equipment that is being utilized to fulfill O. Reg. 170/03 requirements performing tests for the parameters with at least the minimum frequency specified in the Table in Schedule 6 of O. Reg. 170/03 and recording data with the prescribed format?			
Legislative Requirement	SDWA O. Reg. 170/03 6-5 (1)1-4;		
Observation			
Continuous monitoring equipment that was being utilized to fulfill O. Reg. 170/03 requirements was performing tests for the parameters with at least the minimum frequency specified in the Table in Schedule 6 of O. Reg. 170/03 and recording data with the prescribed format.			
At the time of the inspection, the continuous analyzer alarms provided were:			
Contact Tank Water Quality Lockout > causes low lift pumps to stop/lockout. Low LRV set point 2.5 Low FAC set point 0.60 mg/L			
Contact tank effluent FAC residual > Low set point 0.60 mg/L High set point 2.80 mg/L			
High Lift Water Quality lockout > causes high lift pumps to stop/lockout. Treated turbidity high set point 0.9 NTU Treated water FAC residual low set point 0.80 mg/L Treated water FAC residual high set point 3.00 mg/L			
Treated water FAC residual > Low set point is 0.8 mg/L High set point is 3.0 mg/L			
Treated water turbidity > High set point is 0.9 NTU Water tower FAC residual > Low set point 0.60 mg/L High set point 2.5 mg/L			

Question ID	MRDW1037001	Question Type	Legislative
Question:			
Are all continuous monitoring equipment utilized for sampling and testing required by O. Reg. 170/03, or MDWL or DWWP or order, equipped with alarms or shut-off mechanisms			

that satisfy the standards described in Schedule 6?	
Legislative Requirement	SDWA O. Reg. 170/03 6-5 (1)1-4; SDWA O. Reg. 170/03 6-5 (1)5-10; SDWA O. Reg. 170/03 6-5 (1.1);
Observation	
All continuous monitoring equipment utilized for sampling and testing required by O. Reg. 170/03, or Municipal Drinking Water Licence or Drinking Water Works Permit or order, were equipped with alarms or shut-off mechanisms that satisfy the standards described in Schedule 6.	

Question ID	MRDW1040000	Question Type	Legislative
Question:			
Are all continuous analysers calibrated, maintained, and operated, in accordance with the manufacturer's instructions or the regulation?			
Legislative Requirement	SDWA O. Reg. 170/03 6-5 (1)1-4; SDWA O. Reg. 170/03 6-5 (1)5-10;		
Observation			
All continuous analysers were calibrated, maintained, and operated, in accordance with the manufacturer's instructions or the regulation.			

Question ID	MRDW1108001	Question Type	Legislative
Question:			
Where continuous monitoring equipment used for the monitoring of free chlorine residual, total chlorine residual, combined chlorine residual or turbidity, required by O. Reg. 170/03, an Order, MDWL, or DWWP issued under Part V, SDWA, has triggered an alarm or an automatic shut-off, did a qualified person respond in a timely manner and take appropriate actions?			
Legislative Requirement	SDWA O. Reg. 170/03 6-5 (1)1-4; SDWA O. Reg. 170/03 6-5 (1)5-10; SDWA O. Reg. 170/03 6-5 (1.1);		
Observation			
Where required continuous monitoring equipment used for the monitoring of chlorine residual and/or turbidity triggered an alarm or an automatic shut-off, a qualified person responded in a timely manner and took appropriate actions.			

Question ID	MRDW1099001	Question Type	Information
Question:			

Do records show that all water sample results taken during the inspection review period did not exceed the values of tables 1, 2 and 3 of the Ontario Drinking Water Quality Standards (O. Reg. 169/03)?	
Legislative Requirement	Not Applicable
Observation	
Records showed that all water sample results taken during the inspection review period did not exceed the values of tables 1, 2 and 3 of the Ontario Drinking Water Quality Standards (O. Reg. 169/03).	

Question ID	MRDW1079001	Question Type	Legislative
Question:			
For LMR systems, are all microbiological water quality monitoring requirements for raw water samples prescribed by legislation being met?			
Legislative Requirement	SDWA O. Reg. 170/03 10-4 (1); SDWA O. Reg. 170/03 10-4 (2); SDWA O. Reg. 170/03 10-4 (3);		
Observation			
All microbiological water quality monitoring requirements prescribed by legislation for raw water samples were being met.			
Section 10-4 of Schedule 10 of O.Reg.170/03 requires the owner or operating authority of the drinking water system to ensure that a water sample is taken at least once every week from the drinking water system's raw water, before any treatment is applied to the water and is tested for E.coli and total coliforms.			
Raw water sample samples collected weekly.			

Question ID	MRDW1081001	Question Type	Legislative
Question:			
For LMR systems, are all microbiological water quality monitoring requirements for distribution samples being met?			
Legislative Requirement	SDWA O. Reg. 170/03 10-2 (1); SDWA O. Reg. 170/03 10-2 (2); SDWA O. Reg. 170/03 10-2 (3);		
Observation			
All microbiological water quality monitoring requirements prescribed by legislation for distribution samples in a large municipal residential system were being met.			
Section 10-2 of Schedule 10 of O.Reg.170/03 indicates that at least eight distribution			

samples plus one additional distribution sample for every 1,000 people served by the system are to be taken each month at least one sampling being taken each week.

The System serves a population of approximately 1,562, therefore eight (8) samples are to be taken each month and tested for E.coli and total coliform, with at least 25% of those being tested for heterotrophic plate count (HPC).

Distribution sample results reviewed for the inspection review period indicated that three (3) samples are collected each week.

Question ID	MRDW1083001	Question Type	Legislative
Question:			
For LMR systems, are all microbiological water quality monitoring requirements for treated samples being met?			
Legislative Requirement	SDWA O. Reg. 170/03 10-3;		
Observation			
All microbiological water quality monitoring requirements prescribed by legislation for treated samples were being met.			
Section 10-3 of Schedule 10 of O.Reg.170/03 requires that the Owner of a drinking water system and the Operating Authority for the system ensure that a water sample is taken at least once every week and tested for E.coli, total coliforms and general bacteria population expressed as colony counts on a heterotrophic plate count.			
A review of sample records provided during the inspection period indicates that one treated water sample was collected form the System each week.			

Question ID	MRDW1096001	Question Type	Legislative
Question:			
Do records confirm that chlorine residual tests are being conducted at the same time and at the same location that microbiological samples are obtained?			
Legislative Requirement	SDWA O. Reg. 170/03 6-3 (1);		
Observation			
Records confirmed that chlorine residual tests were being conducted at the same time and at the same location that microbiological samples were obtained.			

Question ID	MRDW1084001	Question Type	Legislative
Question: Are all inorganic water quality monitoring requirements prescribed by legislation conducted within the required frequency?			
Legislative Requirement	SDWA O. Reg. 170/03 13-2;		
Observation			
All inorganic water quality monitoring requirements prescribed by legislation were conducted within the required frequency.			
Section 13-2 (1) of Schedule 13 of O. Reg. 170/03 states that the owner of a large municipal drinking water system and the operating authority for the system shall ensure that at least one water sample is taken every 12 months, if the system obtains water from a raw water supply that is surface water.			
The owner shall ensure that each of the samples taken is tested for every parameter set out in Schedule 23.			
Samples for Schedule 23 inorganic parameters were analyzed on January 10, 2022.			

Question ID	MRDW1085001	Question Type	Legislative
Question: Are all organic water quality monitoring requirements prescribed by legislation conducted within the required frequency?			
Legislative Requirement	SDWA O. Reg. 170/03 13-4 (1); SDWA O. Reg. 170/03 13-4 (2); SDWA O. Reg. 170/03 13-4 (3);		
Observation			
All organic water quality monitoring requirements prescribed by legislation were conducted within the required frequency.			
Section 13-4 (1) of Schedule 13 of O. Reg. 170/03 states that the owner of a large municipal drinking water system and the operating authority for the system shall ensure that at least one water sample is taken every 12 months, if the system obtains water from a raw water supply that is surface.			
The owner shall ensure that each of the samples taken is tested for every parameter set out in Schedule 24.			
Samples for Schedule 24 organic parameters were analyzed on January 10, 2022.			

Question ID	MRDW1086001	Question Type	Legislative
Question: Are all haloacetic acid water quality monitoring requirements prescribed by legislation conducted within the required frequency and at the required location?			
Legislative Requirement	SDWA O. Reg. 170/03 13-6.1 (1); SDWA O. Reg. 170/03 13-6.1 (2); SDWA O. Reg. 170/03 13-6.1 (3); SDWA O. Reg. 170/03 13-6.1 (4); SDWA O. Reg. 170/03 13-6.1 (5); SDWA O. Reg. 170/03 13-6.1 (6);		
Observation			
All haloacetic acid water quality monitoring requirements prescribed by legislation were conducted within the required frequency and at the required location.			
Schedule 13-11 of O. Reg. 170/03 requires the owner of a drinking water system that provides chlorination or chloramination and the operating authority for the system shall ensure that at least one distribution sample is taken in each calendar quarter, from a point in the drinking water system's distribution system, or plumbing that is connected to the drinking water system, that is likely to have an elevated potential for the formation of haloacetic acids.			
Results provided by Trent Hills indicate that sampling was conducted every three months as required: February 14, 2022; May 9, 2022, and August 16, 2022.			

Question ID	MRDW1087001	Question Type	Legislative
Question: Have all trihalomethane water quality monitoring requirements prescribed by legislation been conducted within the required frequency and at the required location?			
Legislative Requirement	SDWA O. Reg. 170/03 13-6 (1); SDWA O. Reg. 170/03 13-6 (2); SDWA O. Reg. 170/03 13-6 (3); SDWA O. Reg. 170/03 13-6 (4); SDWA O. Reg. 170/03 13-6 (5); SDWA O. Reg. 170/03 13-6 (6);		
Observation			
All trihalomethane water quality monitoring requirements prescribed by legislation were conducted within the required frequency and at the required location.			
Section 13-6 of Schedule 13 of O. Reg. 170/03 requires that the owner of a drinking water system that provides chlorination and the operating authority for the system ensure that at least one distribution sample is taken every three months, from a point in the drinking water system's distribution system, or plumbing that is connected to the drinking water system, that is likely to have an elevated potential for the formation of trihalomethanes. Each sample shall be tested for trihalomethanes.			

Results provided by Trent Hills indicate that sampling was conducted every three months as required: February 14, 2022; May 9, 2022, and August 16, 2022.

Question ID	MRDW1088000	Question Type	Legislative
Question: Are all nitrate/nitrite water quality monitoring requirements prescribed by legislation conducted within the required frequency for the DWS?			
Legislative Requirement	SDWA O. Reg. 170/03 13-7;		
Observation			
All nitrate/nitrite water quality monitoring requirements prescribed by legislation were conducted within the required frequency for the DWS.			
Section 13-7 of Schedule 13 of O. Reg. 170/03 requires that the owner of a drinking water system and the operating authority for the system ensure that at least one water sample is taken every three months and tested for nitrate and nitrite.			
Results provided by Trent Hills indicate that sampling was conducted a minimum of every three months: February 14, 2022; May 9, 2022, and August 17, 2022.			

Question ID	MRDW1089000	Question Type	Legislative
Question: Are all sodium water quality monitoring requirements prescribed by legislation conducted within the required frequency?			
Legislative Requirement	SDWA O. Reg. 170/03 13-8;		
Observation			
All sodium water quality monitoring requirements prescribed by legislation were conducted within the required frequency.			
Section 13-8 of Schedule 13 of O. Reg. 170/03 requires that the owner of a drinking water system and the operating authority for the system ensure that at least one water sample is taken every 60 months and tested for sodium.			
Results provided by Trent Hills indicate that sampling was last completed January 10, 2022.			

Question ID	MRDW1090000	Question Type	Legislative
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Question:	
Where fluoridation is not practiced, are all fluoride water quality monitoring requirements prescribed by legislation conducted within the required frequency?	
Legislative Requirement	SDWA O. Reg. 170/03 13-9;
Observation	
All fluoride water quality monitoring requirements prescribed by legislation were conducted within the required frequency.	
Section 13-9 of Schedule 13 of O. Reg. 170/03 requires that the owner of a drinking water system and the operating authority for the system ensure that at least one water sample is taken every 60 months and tested for fluoride.	
Results provided by the Trent Hills indicate that sampling was last completed January 10, 2022.	

Question ID	MRDW1092001	Question Type	Legislative
Question:			
Has the owner ensured that water samples are taken at the prescribed location?			
Legislative Requirement	SDWA O. Reg. 170/03 6-2;		
Observation			
The owner ensured that water samples were taken at the prescribed location.			

Question ID	MRDW1094001	Question Type	Legislative
Question:			
Are all water quality monitoring requirements imposed by the MDWL and DWWP being met?			
Legislative Requirement	SDWA 31 (1);		
Observation			
All water quality monitoring requirements imposed by the MDWL or DWWP issued under Part V of the SDWA were being met.			

Question ID	MRDW1095001	Question Type	Legislative
Question:			
Have all lead sampling requirements prescribed by Schedule 15.1 of O. Reg. 170/03 been			

met?	
Legislative Requirement	SDWA O. Reg. 170/03 15.1-10; SDWA O. Reg. 170/03 15.1-4 (1); SDWA O. Reg. 170/03 15.1-5 (1); SDWA O. Reg. 170/03 15.1-5 (10); SDWA O. Reg. 170/03 15.1-5 (11); SDWA O. Reg. 170/03 15.1-5 (12); SDWA O. Reg. 170/03 15.1-5 (2); SDWA O. Reg. 170/03 15.1-5 (3); SDWA O. Reg. 170/03 15.1-5 (4); SDWA O. Reg. 170/03 15.1-5 (5); SDWA O. Reg. 170/03 15.1-5 (6); SDWA O. Reg. 170/03 15.1-5 (7); SDWA O. Reg. 170/03 15.1-5 (8); SDWA O. Reg. 170/03 15.1-5 (9); SDWA O. Reg. 170/03 15.1-7 (1); SDWA O. Reg. 170/03 15.1-7 (2); SDWA O. Reg. 170/03 15.1-7 (3); SDWA O. Reg. 170/03 15.1-7 (4); SDWA O. Reg. 170/03 15.1-9 (1); SDWA O. Reg. 170/03 15.1-9 (2); SDWA O. Reg. 170/03 15.1-9 (3); SDWA O. Reg. 170/03 15.1-9 (4); SDWA O. Reg. 170/03 15.1-9 (5); SDWA O. Reg. 170/03 15.1-9 (6); SDWA O. Reg. 170/03 15.1-9 (7); SDWA O. Reg. 170/03 15.1-9 (8); SDWA O. Reg. 170/03 15.1-9 (9); SDWA O. Reg. 170/03 6-3 (1);
Observation	
All sampling requirements for lead prescribed by schedule 15.1 of O. Reg. 170/03 were being met.	
The System became eligible for the plumbing exemption in 2009. Trent Hills sample for lead semi-annually (December 15-April 15 & June 15- October 15)	
Recent sampling efforts carried out in January 13, 2022 and June 16, 2022 2022 indicate that distribution sampling, yielded lead results ranging from 0.01 - 4.42 ug/L. Furthermore, pH sampling results during this effort, ranged from 7.19-7.93, while alkalinity concentrations over this same period ranged from 79-100 mg/L as CaCO3.	

Question ID	MRDW1098001	Question Type	Legislative
Question:			
Has the owner indicated that the required records are kept and will be kept for the required time period?			
Legislative Requirement	SDWA O. Reg. 170/03 13 (1); SDWA O. Reg. 170/03 13 (2); SDWA O. Reg. 170/03 13 (3);		
Observation			
The owner indicated that the required records are kept and will be kept for the required time period.			

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Question ID	MRDW1110001	Question Type	Legislative
Question: Was an Annual Report containing the required information prepared by February 28 of the following year?			
Legislative Requirement	SDWA O. Reg. 170/03 11 (6);		
Observation The Annual Report containing the required information was prepared by February 28th of the following year.			

Question ID	MRDW1057001	Question Type	Legislative
Question: Has the owner of this system provided an Annual Report to the owner(s) of all standalone distribution systems connected to this system?			
Legislative Requirement	SDWA O. Reg. 170/03 11 (2.1);		
Observation The donor had provided an Annual Report to the receiver stand alone distribution system(s) connected to this system.			

Question ID	MRDW1111000	Question Type	Legislative
Question: Have Summary Reports for municipal council been completed on time, include the required content, and distributed in accordance with the regulatory requirements?			
Legislative Requirement	SDWA O. Reg. 170/03 22-2 (1); SDWA O. Reg. 170/03 22-2 (2); SDWA O. Reg. 170/03 22-2 (3); SDWA O. Reg. 170/03 22-2 (4);		
Observation Summary Reports for municipal council were completed on time, included the required content, and were distributed in accordance with the regulatory requirements.			

Question ID	MRDW1113000	Question Type	Legislative
Question:			

Have all changes to the system registration information been provided to the Ministry within ten (10) days of the change?	
Legislative Requirement	SDWA O. Reg. 170/03 10.1 (3);
Observation	
All changes to the system registration information were provided within ten (10) days of the change.	

Question ID	MRDW1043001	Question Type	Legislative
Question:			
Are the process wastewater and residual solids/sludges being treated, handled and disposed of in accordance with the design requirements approved under the Drinking Water Works Permit and the Municipal Drinking Water Licence?			
Legislative Requirement	SDWA 31 (1);		
Observation			
The process wastewater and residual solids/sludges were treated, handled and disposed of in accordance with the design requirements approved under the Drinking Water Works Permit and the Municipal Drinking Water Licence.			

Question ID	MRDW1044001	Question Type	Legislative
Question:			
Does the process wastewater discharge monitoring program and discharge quality comply with requirements established in the MDWL issued under Part V of the SDWA?			
Legislative Requirement	SDWA 31 (1);		
Observation			
The process wastewater discharge monitoring program and discharge quality complied with requirements established in the Municipal Drinking Water Licence Issued under Part V of the SDWA.			
Section 5.2, 5.3 and 5.4 of Schedule C of the MDWL 150-103 prescribes that the collection and analysis of process wastewater discharged to Trent River.			
Table 7 of Section 4.4 of Schedule C of the MDWL prescribes monthly composite samples of wastewater and analysis of suspended solids (TSS). Table 3 of Section 1.5 of Schedule C prescribes that the annual average concentration of Total Suspended Solids shall not exceed 25 mg/L and the annual average for Total Chlorine Residual (TCR) shall not exceed 0.02 mg/L.			

Records provided for the inspection review period indicate that the System monitors TSS using monthly composite grab samples.

For the inspection review period, the average from January through October 2022 for TSS was reported as 3 mg/L and 0.025 mg/L for TCR.

Question ID	MRDW1046001	Question Type	BMP
Question:			
Is there a backflow prevention program, policy and/or bylaw in place that addresses cross connections and connections to high hazard facilities?			
Legislative Requirement	Not Applicable		
Observation			
There was no backflow prevention program, policy and/or bylaw in place.			

Question ID	MRDW1053001	Question Type	BMP
Question:			
Is the Owner able to maintain proper pressures in the distribution system and is pressure monitored to alert the operator of conditions which may lead to loss of pressure below the value under which the system is designed to operate?			
Legislative Requirement	Not Applicable		
Observation			
The owner was able to maintain proper pressures in the distribution system and pressure was monitored to alert the operator of conditions which may lead to loss of pressure below the value under which the system is designed to operate.			

Question ID	MRDW1047001	Question Type	BMP
Question:			
Does the owner have a program or maintain a schedule for routine cleanout, inspection and maintenance of reservoirs and elevated storage tanks within the distribution system?			
Legislative Requirement	Not Applicable		
Observation			
The owner had a program or maintained a schedule for routine cleanout, inspection and maintenance of reservoirs and elevated storage tanks within the distribution system.			

Trent Hills utilizes 'SOP-12 Infrastructure' which identifies contact chambers, clear wells, reservoirs/standpipes will be inspected internally every 7 to 10 years. External inspection of offsite reservoir and standpipe access ports and vent screens will be complete every 12 to 18 months using a drone.

A video inspection of the clear well performed in November 2018 and a report prepared in May 2016 by Landmark Municipal Services for the inspection of the standpipe was provided for the purposes of this inspection.

Question ID	MRDW1048001	Question Type	BMP
Question:			
Has the owner implemented a program for the flushing of watermains as per industry standards?			
Legislative Requirement	Not Applicable		
Observation			
The owner had implemented a program for the flushing of watermains as per industry standards.			

Question ID	MRDW1050001	Question Type	BMP
Question:			
Is there a program in place for inspecting and exercising valves?			
Legislative Requirement	Not Applicable		
Observation			
There was a program in place for inspecting and exercising valves.			
Trent Hills utilizes 'SOP-12 Infrastructure' which outlines the valve maintenance program is completed at a minimum once every 5 years.			

Question ID	MRDW1051001	Question Type	BMP
Question:			
Is there a program in place for inspecting and operating hydrants?			
Legislative Requirement	Not Applicable		
Observation			
There was a program in place for inspecting and operating hydrants.			

Trent Hills utilizes 'Infrastructure SOP-12' which indicates hydrant maintenance is completed in the fall and spring each year.

'Hastings Hydrants Flushing Records' reviewed indicate that this activity was last completed in April, September and October 2022.

Log records include the name of the streets where the hydrants were located, to include any maintenance notes/comments, the date, and if the hydrant was pumped.

Question ID	MRDW1052001	Question Type	BMP
Question:			
Is there a by-law or policy in place limiting access to hydrants?			
Legislative Requirement	Not Applicable		
Observation			
There was a by-law or policy in place limiting access to hydrants.			
Trent Hills utilizes 'WS 15-01 Fire Hydrant Use Policy' to regulate the use of fire hydrants located within the drinking water system. The use of any public fire hydrant in the System is strictly limited to water division staff and/or the fire department.			

Question ID	MRDW1058001	Question Type	Legislative
Question:			
Do operators and maintenance personnel have ready access to operations and maintenance manuals?			
Legislative Requirement	SDWA O. Reg. 128/04 28;		
Observation			
Operators and maintenance personnel had ready access to operations and maintenance manuals.			

Question ID	MRDW1059000	Question Type	Legislative
Question:			
Do the operations and maintenance manuals contain plans, drawings and process descriptions sufficient for the safe and efficient operation of the system?			
Legislative Requirement	SDWA O. Reg. 128/04 28;		
Observation			

The operations and maintenance manuals contained plans, drawings and process descriptions sufficient for the safe and efficient operation of the system.

Question ID	MRDW1060000	Question Type	Legislative
Question: Do the operations and maintenance manuals meet the requirements of the DWWP and MDWL issued under Part V of the SDWA?			
Legislative Requirement	SDWA 31 (1);		
Observation The operations and maintenance manuals met the requirements of the Drinking Water Works Permit and Municipal Drinking Water Licence issued under Part V of the SDWA.			

Question ID	MRDW1061001	Question Type	Legislative
Question: Are logbooks properly maintained and contain the required information?			
Legislative Requirement	SDWA O. Reg. 128/04 27 (1); SDWA O. Reg. 128/04 27 (2); SDWA O. Reg. 128/04 27 (3); SDWA O. Reg. 128/04 27 (4); SDWA O. Reg. 128/04 27 (5); SDWA O. Reg. 128/04 27 (6); SDWA O. Reg. 128/04 27 (7);		
Observation Logbooks were properly maintained and contained the required information.			

Question ID	MRDW1062001	Question Type	Legislative
Question: Do records or other record keeping mechanisms confirm that operational testing not performed by continuous monitoring equipment is being done by a certified operator, water quality analyst, or person who meets the requirements of O. Reg. 170/03 7-5?			
Legislative Requirement	SDWA O. Reg. 170/03 7-5;		
Observation Records or other record keeping mechanisms confirmed that operational testing not performed by continuous monitoring equipment was being done by a certified operator, water quality analyst, or person who suffices the requirements of O. Reg. 170/03 7-5.			

Question ID	MRDW1063000	Question Type	Legislative
Question: For every required operational test and for every required sample, is a record made of the date, time, location, name of the person conducting the test and result of the test?			
Legislative Requirement	SDWA O. Reg. 170/03 6-10 (1);		
Observation			
For every required operational test and every required sample, a record was made of the date, time, location, name of the person conducting the test and result of the test.			

Question ID	MRDW1064000	Question Type	Legislative
Question: Did the operator-in-charge ensure that records were maintained of all adjustments made to the processes within his or her responsibility?			
Legislative Requirement	SDWA O. Reg. 128/04 26 (2);		
Observation			
The operator-in-charge ensured that records were maintained of all adjustments made to the processes within his or her responsibility.			

Question ID	MRDW1065000	Question Type	Legislative
Question: Are logs and other record keeping mechanisms available for at least five (5) years?			
Legislative Requirement	SDWA O. Reg. 128/04 27 (6);		
Observation			
Logs or other record keeping mechanisms were available for at least five (5) years.			

Question ID	MRDW1066000	Question Type	BMP
Question: Is spill containment provided for process chemicals and standby power generator fuel?			
Legislative Requirement	Not Applicable		
Observation			
Spill containment was provided for process chemicals and/or standby power generator fuel.			

Question ID	MRDW1067000	Question Type	BMP
Question: Are clean-up equipment and materials in place for the clean up of spills?			
Legislative Requirement	Not Applicable		
Observation			
Clean-up equipment and materials were in place for the clean up of spills.			

Question ID	MRDW1068000	Question Type	BMP
Question: If available, are standby power generators tested under normal load conditions?			
Legislative Requirement	Not Applicable		
Observation			
Standby power generators were tested under normal load conditions.			

Question ID	MRDW1069000	Question Type	BMP
Question: Are all storage facilities completely covered and secure?			
Legislative Requirement	Not Applicable		
Observation			
All storage facilities were completely covered and secure.			

Question ID	MRDW1070000	Question Type	BMP
Question: Are air vents and overflows associated with reservoirs and elevated storage structures equipped with screens?			
Legislative Requirement	Not Applicable		
Observation			
Air vents and overflows associated with reservoirs and elevated storage structures were equipped with screens.			

Question ID	MRDW1071000	Question Type	BMP
Question: Has the owner provided security measures to protect components of the drinking water system?			
Legislative Requirement	Not Applicable		
Observation			
The owner had provided security measures to protect components of the drinking water system.			

Question ID	MRDW1072001	Question Type	BMP
Question: Has the owner and/or operating authority undertaken efforts to promote water conservation and reduce water losses in their system?			
Legislative Requirement	Not Applicable		
Observation			
The owner and/or operating authority undertook efforts to promote water conservation and reduce water losses in their system.			

Question ID	MRDW1073001	Question Type	Legislative
Question: Has the overall responsible operator been designated for all subsystems which comprise the drinking water system?			
Legislative Requirement	SDWA O. Reg. 128/04 23 (1);		
Observation			
The overall responsible operator had been designated for each subsystem.			
Subsection 23(1) of O. Reg. 128/04 "Certification of Drinking-Water System Operators and Water Quality Analysts" states that a municipal residential drinking water system must have a designated overall responsible operator (ORO). The ORO shall be an operator who holds a certificate for that type of subsystem, (eg. water distribution subsystem) and that is of the same class or higher than the class of that subsystem.			
The Municipality of Trent Hills established procedure 'SOP-02 Personnel Coverage' to ensure that the designation of the ORO is clearly defined and documented. Trent Hills appoints the Senior Operator or in his absence the General Manager of Infrastructure			

Renewal & Public Works Administration as the ORO for the Hastings Drinking Water System.

Question ID	MRDW1078001	Question Type	Legislative
Question: In instances where the overall responsible operator was unable to act, was an adequately certified operator designated to act in place of the overall responsible operator?			
Legislative Requirement	SDWA O. Reg. 128/04 23 (1); SDWA O. Reg. 128/04 23 (2); SDWA O. Reg. 128/04 23 (4); SDWA O. Reg. 128/04 23 (6); SDWA O. Reg. 128/04 23 (7);		
Observation An adequately licenced operator was designated to act in place of the overall responsible operator when the overall responsible operator was unable to act.			

Question ID	MRDW1074001	Question Type	Legislative
Question: Have operators-in-charge been designated for all subsystems for which comprise the drinking water system?			
Legislative Requirement	SDWA O. Reg. 128/04 25 (1);		
Observation Operators-in-charge had been designated for all subsystems which comprise the drinking water system.			

Question ID	MRDW1075001	Question Type	Legislative
Question: Do all operators possess the required certification?			
Legislative Requirement	SDWA O. Reg. 128/04 22;		
Observation All operators possessed the required certification.			

Question ID	MRDW1076001	Question Type	Legislative
Question:			

Do only certified operators make adjustments to the treatment equipment?	
Legislative Requirement	SDWA O. Reg. 170/03 1-2 (2);
Observation	
Only certified operators made adjustments to the treatment equipment.	



APPENDIX A
STAKEHOLDER APPENDIX

Key Reference and Guidance Material for Municipal Residential Drinking Water Systems

Many useful materials are available to help you operate your drinking water system. Below is a list of key materials owners and operators of municipal residential drinking water systems frequently use.

To access these materials online click on their titles in the table below or use your web browser to search for their titles. Contact the Ministry if you need assistance or have questions at 1-866-793-2588 or waterforms@ontario.ca.

For more information on Ontario's drinking water visit www.ontario.ca/drinkingwater



PUBLICATION TITLE	PUBLICATION NUMBER
FORMS: Drinking Water System Profile Information Laboratory Services Notification Adverse Test Result Notification	012-2149E 012-2148E 012-4444E
Taking Care of Your Drinking Water: A Guide for Members of Municipal Councils	Website
Procedure for Disinfection of Drinking Water in Ontario	Website
Strategies for Minimizing the Disinfection Products Trihalomethanes and Haloacetic Acids	Website
Filtration Processes Technical Bulletin	Website
Ultraviolet Disinfection Technical Bulletin	Website
Guide for Applying for Drinking Water Works Permit Amendments, & License Amendments	Website
Certification Guide for Operators and Water Quality Analysts	Website
Guide to Drinking Water Operator Training Requirements	9802E
Community Sampling and Testing for Lead: Standard and Reduced Sampling and Eligibility for Exemption	Website
Drinking Water System Contact List	7128E01
Ontario's Drinking Water Quality Management Standard - Pocket Guide	Website
Watermain Disinfection Procedure	Website
List of Licensed Laboratories	Website

Principaux guides et documents de référence sur les réseaux résidentiels municipaux d'eau potable

De nombreux documents utiles peuvent vous aider à exploiter votre réseau d'eau potable. Vous trouverez ci-après une liste de documents que les propriétaires et exploitants de réseaux résidentiels municipaux d'eau potable utilisent fréquemment. Pour accéder à ces documents en ligne, cliquez sur leur titre dans le tableau ci-dessous ou faites une recherche à l'aide de votre navigateur Web. Communiquez avec le ministère au 1-866-793-2588, ou encore à waterforms@ontario.ca si vous avez des questions ou besoin d'aide.



Pour plus de renseignements sur l'eau potable en Ontario, consultez le site www.ontario.ca/eaupotable

TITRE DE LA PUBLICATION	NUMÉRO DE PUBLICATION
Renseignements sur le profil du réseau d'eau potable	012-2149F
Avis de demande de services de laboratoire	012-2148F
Avis de résultats d'analyse insatisfaisants et de règlement des problèmes	012-4444F
Prendre soin de votre eau potable - Un guide destiné aux membres des conseils municipaux	Site Web
Marche à suivre pour désinfecter l'eau potable en Ontario	Site Web
Stratégies pour minimiser les trihalométhanes et les acides haloacétiques de sous-produits de désinfection	Site Web
Filtration Processes Technical Bulletin (en anglais seulement)	Site Web
Ultraviolet Disinfection Technical Bulletin (en anglais seulement)	Site Web
Guide de présentation d'une demande de modification du permis d'aménagement de station de production d'eau potable	Site Web
Guide sur l'accréditation des exploitants de réseaux d'eau potable et des analystes de la qualité de l'eau de réseaux d'eau potable	Site Web
Guide sur les exigences relatives à la formation des exploitants de réseaux d'eau potable	9802F
Échantillonnage et analyse du plomb dans les collectivités : échantillonnage normalisé ou réduit et admissibilité à l'exemption	Site Web
Liste des personnes-ressources du réseau d'eau potable	Site Web
L'eau potable en Ontario - Norme de gestion de la qualité - Guide de poche	Site Web
Procédure de désinfection des conduites principales	Site Web
Laboratoires autorisés	Site Web