

**Ministry of the Environment,
Conservation and Parks**

**Ministère de l'Environnement, de la
Protection de la nature et des Parcs**

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January 23, 2023

Sent by Email: swatson@brockton.ca

Municipality of Brockton
100 Scott Street, Box 68
Walkerton, Ontario
N0G 2V0

Attention: Ms. Watson, CAO/Clerk

Re: 2022/2023 Inspection Report 1-110936154
Chepstow Drinking Water System
Drinking Water Licence 081-101 Issue 3
Drinking Water Works Permit 081-201, Issue 3

The enclosed report documents findings of the inspection that was performed on December 14, 2022.

The first section of the report, namely "Non-Compliance/Non-Conformance Items", specify due dates for the submission of information or plans to my attention. Please note that "Non-Compliance Items" are linked to incidents of non-compliance with regulatory requirements contained within an Act, a Regulation, or site-specific approvals, orders or instructions; "Non-Conformance Items" convey information that the owner or operating authority should consider implementing in order to conform with existing and emerging industry standards.

The report includes an Inspection Summary Rating Record as an appendix, which will be forwarded to you in the near future. This record forms part of the ministry's comprehensive, risk-based inspection process. The rating provides a quantitative measure of the inspection results for this specific drinking water system for the reporting year. An inspection rating that is less than 100 per cent does not mean that the drinking water from the system is unsafe. The primary goals of this assessment are to encourage ongoing improvement of drinking water systems and to measure this progress from year to year.

I would like to remind you that Section 19 of the Safe Drinking Water Act, 2002 (Standard of Care) creates a number of obligations for individuals who exercise decision-making authority over

municipal drinking water systems, including members of municipal councils. "Taking Care of Your Drinking Water: A guide for members of municipal council", a publication found on the [Drinking Water Ontario website](http://www.ontario.ca/environment-and-energy/municipal-drinking-water-systems-licencing-registration-and-permits) (<http://www.ontario.ca/environment-and-energy/municipal-drinking-water-systems-licencing-registration-and-permits>), provides further information about these obligations.

Should you have any questions regarding the content of the enclosed report, please do not hesitate to contact me.

Yours truly,



Rhonda Shannon

Water Compliance Inspector

Phone: 226-668-5873

e-mail: Rhonda.shannon@ontario.ca

Enclosure

cc: Dr. Ian Arra, Medical Officer of Health, Grey-Bruce Health Unit
Nicholas Schnurr, Director of Operations, Municipality of Brockton
Nancy Guest, Administrative Assistant, Source Protection Program Branch
Scott Gowan, Project Manager/ORO, Veolia
John Ritchie, District Manager, Ministry of Environment, Conservation & Parks

c: File SI-BR-BR-JO-540 (2022)



CHEPSTOW DRINKING WATER SYSTEM
LOT:6, CONCESSION:6,7, GEOTOWNSHIP:GREENOCK,
BROCKTON, ON,

Inspection Report

System Number: 220008765

Entity: THE CORPORATION OF THE
MUNICIPALITY OF BROCKTON
VEOLIA WATER CANADA INC.

Inspection Start Date: 12/14/2022

Inspection End Date: 01/23/2023

Inspected By: Rhonda Shannon

Badge #: 1237


(signature)

NON-COMPLIANCE/NON-CONFORMANCE ITEMS

This should not be construed as a confirmation of full compliance with all potential applicable legal requirement and BMPs. These inspection findings are limited to the components and/or activities that were assessed, and the legislative framework(s) that were applied. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements.

If you have any questions related to this inspection, please contact the signed Provincial Officer.

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.</p> <p>A drinking water system inspection was conducted on December 14, 2022 at the Chepstow drinking water facility to assess compliance with Ministry legislation and guidelines.</p> <p>The Municipality of Brockton owns the drinking water system and Veolia Water Canada currently operates the facility, located at 51 John Crescent, Chepstow. This inspection covers the time period of October 6, 2021 to December 12, 2022 and includes a review of Ministry files, plant operating data and a detailed assessment of compliance with the terms and conditions of all MECP authorizing documents.</p> <p>The physical inspection was conducted with Steve Rowe, OIC and included a tour of the facility.</p>			

Question ID	MRDW1000001	Question Type	Information
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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>Primary disinfection at this facility is achieved through UV disinfection and chlorine contact time. The minimum log removal necessary to meet a 2-log inactivation of Viruses at this facility, as outlined in Schedule E of License #081-101, Issue No. 3 is 4.0 mg/L*min. This has a site specific equivalent minimum chlorine residual (CT) of 0.28 mg/L necessary to achieve primary disinfection. (Calculations to support this are available in the Operations Manual)</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	MRDW1025001	Question Type	Legislative
Question:			
Were all parts of the drinking water system that came in contact with drinking water (added, modified, replaced or extended) disinfected in accordance with a procedure listed in Schedule B of the Drinking Water Works Permit?			
Legislative Requirement	SDWA 31 (1);		
Observation			
All parts of the drinking water system were disinfected in accordance with a procedure listed in Schedule B of the Drinking Water Works Permit.			

Question ID	MRDW1024001	Question Type	Legislative
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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	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.			

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. SCADA reports and trending information continue to be reviewed on a daily basis.			

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. The low alarm set-point on the continuous chlorine monitor remains at 0.50 mg/L and the UV remains locked out at 25.1 W/m2. Both units are validated by Trojan to meet the a 40 mJ/cm2 dosage rate.			

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. Verification of the online chlorine analyzer continues to be completed on week days with a hand-held colorimeter. Tolerance ranges greater than 5% were found to be re-calibrated. The turbidimeter is also still verified on weekdays with a hand held turbidimeter, to a tolerance range of 10%.			

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.	
A review of logbook entries for this inspection time period indicates that appropriate actions and timelines were followed.	

Question ID	MRDW1034001	Question Type	Legislative
Question: Is the secondary disinfectant residual measured as required for the small municipal residential distribution system?			
Legislative Requirement	SDWA O. Reg. 170/03 7-2 (5); SDWA O. Reg. 170/03 7-2 (6);		
Observation The secondary disinfectant residual was measured as required for the small municipal residential distribution system.			

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	MRDW1082001	Question Type	Legislative
Question:			

For SMR systems, are all microbiological water quality monitoring requirements for distribution samples prescribed by legislation being met?	
Legislative Requirement	SDWA O. Reg. 170/03 11-2 (1); SDWA O. Reg. 170/03 11-2 (2);
Observation	
All microbiological water quality monitoring requirements prescribed by legislation for distribution samples in a small municipal residential system were being met.	
Distribution sampling remains on a weekly basis and samples are tested for total coliforms, E.coli and heterotrophic plate count; this meets and exceeds the requirements outlined in O.Reg. 170/03.	

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	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.			
Haloacetic acid (HAA) monitoring continues to be conducted in conjunction with THM sampling; the following were the sample dates during the time period reviewed.			
- October 12, 2021 (5.3 ug/L),			
- January 11, 2022 (5.3 ug/L),			

- April 12, 2022 (5.3 ug/L),
- July 12, 2022 (5.3 ug/L) and
- October 11, 2022 (5.3 ug/L).

The Ontario Drinking Water Quality Standard (ODWQS) for haloacetic acids is expressed as a running annual average of quarterly results. The current rolling average is 5.3 ug/L, which is below the ODWQS of 80 ug/L.

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. All trihalomethane samples (THM's) continue to be collected from two (2) different locations in the distribution system which are likely to have an elevated potential for THM formation. They were sampled on the following dates within the time period reviewed: - October 12, 2021 (6.0 ug/L), - January 11, 2022 (5.9 ug/L), - April 12, 2022 (6.2 ug/L), - July 12, 2022 (5.4 ug/L) and - October 11, 2022 (6.1 ug/L). The current rolling average is 5.9 ug/L, which is below the ODWQS of 100 ug/L.			

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	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	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	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	MRDW1073001	Question Type	Legislative
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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.	
The ORO for this facility remains to be Scott Gowan and backup ORO is Steve Rowe.	

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. The OIC remains designated and recorded daily in the logbook.			

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. The Operating Authority is reminded that a few licenses expire in early 2023.			

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.	

Question ID	MRDW1007001	Question Type	Legislative
Question:			
Is the owner maintaining the production well(s) in a manner sufficient to prevent entry into the well of surface water and other foreign materials?			
Legislative Requirement	SDWA O. Reg. 170/03 1-2 (1);		
Observation			
The owner was maintaining the production well(s) in a manner sufficient to prevent entry into the well of surface water and other foreign materials.			
A review of the raw water test results during the inspection review period showed no total coliforms nor E.coli detected. This indicates that there is no influence of surface water on the source water being used.			

Question ID	MRDW1009001	Question Type	Legislative
Question: Are measures in place to protect the groundwater and/or GUDI source in accordance with any MDWL and DWWP issued under Part V of the SDWA?			
Legislative Requirement	SDWA 31 (1);		
Observation Measures were in place to protect the groundwater and/or GUDI source in accordance with the Municipal Drinking Water Licence and Drinking Water Works Permit issued under Part V of the SDWA. The Operations Manual and Contingency Plans outline a number of plans and policies to help ensure the source water remains secure.			

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	
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.	

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. The rated capacity for this system is 228 m3/day, as authorized under the DWS Licence No. 081-101, Issue No. 3. There were no flow exceedances nor flow monitoring anomalies found in the data reviewed. The maximum daily flow rate during the time period reviewed occurred in December 2021 with 33.536 m3 of water used, which represents approximately 15% of the rated capacity allowed in the Licence. The Owner and Operating Authority is reminded that a new Permit To Take Water (#3734-8WXN72) was issued for this system on April 27, 2022.			

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 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.

The rated capacity for this system is 228 m³/day, as authorized under the DWS Licence No. 081-101, Issue No. 3.

There were no flow exceedances nor flow monitoring anomalies found in the data reviewed. The maximum daily flow rate during the time period reviewed occurred in December 2021 with 33.536 m³ of water used, which represents approximately 15% of the rated capacity allowed in the Licence.

The Owner and Operating Authority is reminded that a new Permit To Take Water (#3734-8WXN72) was issued for this system on April 27, 2022.

Question ID	MRDW1026001	Question Type	Legislative
Question: If primary disinfection equipment that does not use chlorination or chloramination is provided, is the equipment equipped with alarms or shut-off mechanisms that satisfy the standards described in Section 1-6 (1) of Schedule 1 of Ontario Regulation 170/03?			
Legislative Requirement	SDWA O. Reg. 170/03 1-6 (1);		
Observation The primary disinfection equipment was equipped with alarms or shut-off mechanisms that satisfied the standards described in Section 1-6 (1) of Schedule 1 of O. Reg. 170/03. The UV units are reported to be equipped with a solenoid valve that allows for a system lock-out below 40 mJ/cm2.			

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 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.			

Question ID	MRDW1039000	Question Type	Legislative
Question: If primary disinfection equipment that does not use chlorination or chloramination is provided, has the owner and operating authority ensured that the equipment has a recording device that continuously records the performance of the disinfection equipment?			
Legislative Requirement	SDWA O. Reg. 170/03 1-6 (3);		
Observation The owner and operating authority ensured that the primary disinfection equipment had a recording device that continuously recorded the performance of the disinfection equipment.			

Question ID	MRDW1109001	Question Type	Legislative
Question: If the system uses equipment for primary disinfection other than chlorination or chloramination and the equipment has malfunctioned, lost power or ceased to provide the appropriate level of disinfection, causing 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 1-6 (1);		
Observation When failure(s) of primary disinfection equipment, other than that used for chlorination or chloramination, caused an alarm to sound or an automatic shut-off to occur, a certified operator responded in a timely manner and took appropriate actions. A review of logbook entries for this inspection time period indicates that appropriate actions and timelines were followed.			

Question ID	MRDW1042001	Question Type	Legislative
Question: If UV disinfection is used were duty sensors and reference UV sensors checked and calibrated as per the requirements of Schedule E of the MDWL or at a frequency as otherwise recommended by the UV equipment manufacturer?			
Legislative Requirement		SDWA 31 (1);	
Observation			
All UV sensors were checked and calibrated as required.			

Monthly reference checks occurred for duty sensors on both UV units.

The reference UV sensor was replaced in October 2021; the next reference sensor calibration or replacement will be due in 2024.

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. The most current sample event occurred on February 20, 2018. All sample results were within the prescribed limits. The Operating Authority is reminded that sampling for parameters of Schedule 23, O.Reg. 170 is required every sixty (60) months.			

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. Nitrate and nitrite samples were found to be taken every three (3) months from this drinking water system. The sample dates were: - October 12, 2021, - January 11, 2022, - April 12, 2022, - July 12, 2022 and - October 11, 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. The most current sodium sample date was October 16, 2018 with a result of 5.49 mg/L which is well below the O. Reg. 170/03 reporting limit. The Operating Authority is reminded that sodium sampling is required every sixty (60) months.			

Question ID	MRDW1090000	Question Type	Legislative
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. The ODWQS fluoride limit is 1.5 mg/L. Fluoride has been deemed to be naturally occurring in this area and was last measured on October 16th and 23rd, 2018 with results of 1.70 and 1.74 mg/L respectively. This was reported under AWQI #143681 and all system residents were provided with a letter from the Grey Bruce Health Unit outlining effects of higher fluoride in drinking water. The Operating Authority is reminded that fluoride sampling is required every sixty (60) months.			

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	<p>All organic water quality monitoring requirements prescribed by legislation were conducted within the required frequency.</p> <p>The most current sample event occurred on February 20, 2018. All sample results were within the prescribed limits.</p> <p>The Operating Authority is reminded that sampling for parameters of Schedule 24, O.Reg. 170 is required every sixty (60) months.</p>



**Ministry of the Environment, Conservation and Parks
Drinking Water Inspection Report**

APPENDIX A

STAKEHOLDERS

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



**Ministry of the Environment, Conservation and Parks
Drinking Water Inspection Report**

APPENDIX B

**INSPECTION SUMMARY RATING RECORD
(to follow)**