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December 23, 2024

The Corporation of the Township of Hamilton
8285 Majestic Hills Dr.
Cobourg, On,
K9A 4W5

Attention: Scott Jibb, Mayor

RE: Camborne Drinking Water System
Drinking Water Inspection Report 1-373418136
File: SI NO AN FO 540

The ministry undertakes inspections of the regulated community including industry, businesses and individuals. The primary focus of this inspection is to confirm compliance with ministry legislation as well as evaluating compliance and conformance with related permissions, policies and guidelines.

Attached to this letter is the report for the inspection completed at the Camborne Drinking Water System at 23 Ford Street, Camborne, Ontario on November 26, 2024. This report provides an assessment of compliance and conformance based on observations and information available during the inspection review period only. As always, please refer to the applicable legislative requirements, permissions, policies, guidelines and best management practices to clarify your specific obligations.

Instances of non-compliance and/or non-conformance were identified during the inspection. Please refer to the "NON-COMPLIANCE/NON-CONFORMANCE ITEMS" section within the report to determine the actions required and take any necessary steps by the date(s) prescribed to bring the system/facility into compliance/conformance.

Additional findings and applicable comments, where provided, will be found within the report.

If you have questions or concerns, please contact me by email at rebecca.troan@ontario.ca or by telephone at 705-313-2517.

Rebecca Troan
Water Inspector
Ministry of the Environment, Conservation and Parks
Drinking Water and Environmental Compliance Division

Cc: Anita Schoenleber, Water Operations Manager, Township of Hamilton
Dr. Natalie Bocking, Medical Officer of Health, Haliburton Kawartha Pine Ridge Health Unit
Linda Laliberte, CAO/Secretary – Treasurer, Ganaraska Conservation Authority



CAMBORNE DRINKING WATER SYSTEM
Physical Address: 23 FORD ST, , HAMILTON
TOWNSHIP, ON L8N 2P4

INSPECTION REPORT

System Number: 220008113
Entity: THE CORPORATION OF THE
TOWNSHIP OF HAMILTON
Inspection Start Date: November 18, 2024
Site Inspection Date: November 26, 2024
Inspection End Date: December 19, 2024
Inspected By: Rebecca Troan
Badge #: 1465

(signature)

INTRODUCTION

Purpose

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.

Scope

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 and the operation of the system.

The inspection of the drinking water system included both the physical inspection of the component parts of the system listed in section 4 "Systems Components" of the report and the review of data and documents associated with the operation of the drinking water system during the review period.

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.

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.

Facility Contacts and Dates

The drinking water system is owned and operated by The Corporation of The Township of Hamilton.

The system serves an estimated population of 180 and is categorized as a Class 1 Water Treatment System and a Class 1 Distribution System. Information reviewed for this inspection covered the time period of January 23, 2024 through to November 26, 2024. The physical inspection was performed on November 26, 2024. Anita Schoenleber, Manager, Water Operations, and John Corey, Operator both from the Township of Hamilton were present during the inspection.

Systems/Components

The following sites were visited as part of the inspection of the drinking water system:

1) Camborne Drinking Water Treatment Plant located at 23 Ford Street, Camborne, On

Permissions/Approvals

This drinking water system was subject to specific conditions contained within the following permissions and/or approvals (please note this list is not exhaustive) at the time of the inspection in addition to the requirements of the SDWA and its regulations:

1. Municipal Drinking Water Licence (MDWL) No. 139-103 Issue #4
2. Drinking Water Works Permit (DWWP) No. 139-203 Issue #3

NON-COMPLIANCE

The following item(s) have been identified as non-compliance, based on a "No" response captured for a legislative question(s). For additional information on each question see the Inspection Details section of the report.

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

Item	Question	Compliance Response/Corrective Action(s)
NC-1	<p>Question ID: DWMR1038001</p> <p>Was continuous monitoring equipment that was being utilized to fulfill O. Reg. 170/03 requirements performing tests for the parameters with at least the minimum frequency and recording data with the prescribed format?</p>	<p>Continuous monitoring equipment that was being utilized to fulfill O. Reg. 170/03 requirements was not performing tests for the parameters with at least the minimum frequency specified in the Table in Schedule 6 of O. Reg. 170/03 and/or was not recording data with the prescribed format.</p> <p>On April 16, 2024, the treated water chlorine analyzer ran out of buffer solution and treated water chlorine residual data was lost from 19:53 to 20:25. An Operator responded to site and began taking treated water chlorine residuals every 5 minutes until the analyzer was operational again. The Ministry was informed that an operator did not properly inspect the treated water chlorine analyzer and its buffer solution during their routine maintenance that day.</p> <p>The Camborne DWS informed the Ministry that the required treated water chlorine analyzer maintenance was reviewed with the responsible operator after this incident.</p> <p>The Owner/Operating Authority of the Camborne Drinking Water System shall ensure that all operators are properly trained on the maintenance requirements of the treatment system. No further action is required.</p>

RECOMMENDATIONS

This should not be construed as a confirmation of full conformance with all potential applicable 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	DWMR1007001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 1-2 (1)1;			
Question: Was the owner maintaining the production well(s) in a manner sufficient to prevent entry into the well of surface water and other foreign materials?			
Compliance Response(s)/Corrective Action(s)/Observation(s): 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. Source water for the Camborne Drinking Water System is obtained from two (2) artesian wells identified as PW-1a and PW-2a, located at 23 Ford Street, Camborne. Each well is located in a locked well pit and equipped with sealed caps. The Township of Hamilton Operators perform monthly and quarterly inspections as described in the 'Well Inspection and Maintenance Schedule'. On a monthly basis Operations Staff perform a visual inspection to identify any sources of contamination within 15 meters of the well; any signs of vandalism or unauthorized entry into the well and verify drainage is directed away from the well head. There were no concerns identified following a visual inspection of the casing and the immediate area around each well. Furthermore, no concerns were detected following the review of the raw water quality data for the inspection review period.			

Question ID	DWMR1009001	Question Type	Legislative
Legislative Requirement(s): SDWA 31 (1);			
Question: Were measures in place to protect the groundwater and/or GUDI source in accordance with the Municipal Drinking Water Licence and Drinking Water Works Permit?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Measures were in place to protect the groundwater and/or GUDI source. Condition 16.2.8, 16.2.9 and 16.2.10 of the Municipal Drinking Water Licence 139-103 requires an inspection schedule, maintenance procedure and remedial action plan for all wells associated with the drinking water system.			

The Township of Hamilton utilize a Well Inspection and Maintenance Schedule to address well head protection, well condition, water quality and well use. The schedule outlines on a monthly frequency, Operations Staff perform a visual inspection to identify any sources of contamination within 15 meters of the well; any signs of vandalism or unauthorized entry into the well and verify drainage is directed away from the well head.

On a quarterly frequency, Operations Staff inspect the integrity of the well chamber; well casing; well cap; review plumbing records; review records of static water levels and review records of pumping water levels.

On an annual basis Operations Staff review raw water quality records and assess any changes or trends.

Every 5 to 10 years the Township of Hamilton retains the services of a licensed well technician to remove the pump from the well and conduct a diagnostic test.

Question ID	DWMR1014001	Question Type	Legislative
Legislative Requirement(s): SDWA 31 (1);			
Question: Was flow monitoring performed as required by the Municipal Drinking Water Licence or Drinking Water Works Permit?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Flow monitoring was performed as required. The Municipal Drinking Water Licence 139-103 Issue Number 4 requires the Camborne DWS to monitor the daily flow rate and volume of raw water entering the treatment plant and treated water entering the distribution system. At the time of the inspection, it was confirmed that raw and treated water flow meters were installed at the Camborne DWS.			

Question ID	DWMR1016001	Question Type	Legislative
Legislative Requirement(s): SDWA 31 (1);			
Question: Was the owner in compliance with the conditions associated with maximum flow rate or the rated/operational capacity in the Municipal Drinking Water Licence?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner was in compliance with the conditions associated with maximum flow rate and/or the rated/operational capacity conditions. The Municipal Drinking Water Licence (MDWL) 139-103 Issue Number 4 lists the rated			

capacity for the Colborne DWS as 415 cubic metres per day.

A review of records provided for the inspection period indicated the maximum treated water flow was 73.62 cubic metres per day, approximately 18% of the rated capacity.

Question ID	DWMR1018001	Question Type	Legislative
Legislative Requirement(s): SDWA 31 (1);			
Question: Did the owner ensure that equipment was installed in accordance with Schedule A and Schedule C of the Drinking Water Works Permit?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner ensured that equipment was installed as required. At the time of the inspection, it was verified that all equipment was installed in accordance with Schedule A and C of Drinking Water Works Permit 139-203 Issue Number 3.			

Question ID	DWMR1025001	Question Type	Legislative
Legislative Requirement(s): SDWA 31 (1);			
Question: Were all parts of the drinking water system that came in contact with drinking water disinfected in accordance with a procedure listed in Schedule B of the Drinking Water Works Permit?			
Compliance Response(s)/Corrective Action(s)/Observation(s): All parts of the drinking water system were disinfected as required.			

Question ID	DWMR1023001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 1-2 (2);			
Question: Did records indicate that the treatment equipment was operated in a manner that achieved the design capabilities prescribed by O. Reg. 170/03, Drinking Water Works Permit and/or Municipal Drinking Water Licence at all times that water was being supplied to consumers?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Records indicated that the treatment equipment was operated in a manner that achieved the design capabilities prescribed. The Camborne DWS obtains water from two wells that are classified as groundwater. The			

treatment system consists of two greensand filters for iron removal, and chlorination for primary and secondary disinfection using sodium hypochlorite. Primary disinfection is achieved in the four celled, 206 cubic metre capacity, in-ground reservoir.

Primary disinfection chlorine residuals and treated water turbidity are continuously monitored and equipped to alarm to an operator if they deviate from the calculated operating range.

A review of maintenance and operational activities as well as sampling records, continuous analyzer data and alarm records indicated that the Camborne DWS was operated in a manner that achieved the design capabilities required under O. Reg. 170/03.

Question ID	DWMR1024001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 1-2 (2);			
Question: Did records confirm that the water treatment equipment which provides chlorination or chloramination for secondary disinfection was operated as required?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Records confirmed that the water treatment equipment which provides chlorination or chloramination for secondary disinfection was operated as required. Secondary disinfection chlorine residuals ranged from 0.70 mg/L to 1.23 mg/L during the inspection period.			

Question ID	DWMR1034001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 7-2 (5); SDWA O. Reg. 170/03 7-2 (6);			
Question: Was secondary disinfectant residual tested as required for the small municipal residential distribution system?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Secondary disinfectant residual was tested as required. The Camborne DWS conducted daily distribution chlorine residual sampling at least twice per week, in accordance with Schedule 7-2 of O. Reg. 170/03.			

Question ID	DWMR1030001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 7-2 (1); SDWA O. Reg. 170/03 7-2 (2);			
Question: Was primary disinfection chlorine monitoring being conducted at a location approved by Municipal Drinking Water Licence and/or Drinking Water Works Permit or at/near a location			

where the intended CT had just been achieved?

Compliance Response(s)/Corrective Action(s)/Observation(s):

Primary disinfection chlorine monitoring was conducted as required.

The Camborne DWS continuously measures primary disinfection chlorine residuals on the discharge pipe upstream of the connection to the distribution system.

Question ID	DWMR1035001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 6-5 (1)1-4;			
Question: Were operators examining continuous monitoring test results and did they examine the results within 72 hours of the test?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Operators were examining continuous monitoring test results as required. Operators reviewed continuous monitoring data at least every 72 hours and documented the review and any findings in the facility logbook.			

Question ID	DWMR1038001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 6-5 (1)1-4;			
Question: Was continuous monitoring equipment that was being utilized to fulfill O. Reg. 170/03 requirements performing tests for the parameters with at least the minimum frequency and recording data with the prescribed format?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Continuous monitoring equipment that was being utilized to fulfill O. Reg. 170/03 requirements was not performing tests for the parameters with at least the minimum frequency specified in the Table in Schedule 6 of O. Reg. 170/03 and/or was not recording data with the prescribed format. On April 16, 2024, the treated water chlorine analyzer ran out of buffer solution and treated water chlorine residual data was lost from 19:53 to 20:25. An Operator responded to site and began taking treated water chlorine residuals every 5 minutes until the analyzer was operational again. The Ministry was informed that an operator did not properly inspect the treated water chlorine analyzer and its buffer solution during their routine maintenance that day. The Camborne DWS informed the Ministry that the required treated water chlorine analyzer maintenance was reviewed with the responsible operator after this incident.			

The Owner/Operating Authority of the Camborne Drinking Water System shall ensure that all operators are properly trained on the maintenance requirements of the treatment system. No further action is required.

Question ID	DWMR1037001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 6-5 (1)5-10; SDWA O. Reg. 170/03 6-5 (1.1);			
Question: Were 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, equipped with alarms or shut-off mechanisms that satisfied the standards described in Schedule 6?			
Compliance Response(s)/Corrective Action(s)/Observation(s): All required continuous monitoring equipment utilized for sampling and testing were equipped with alarms or shut-off mechanisms that satisfied the standards The following continuous analyzer alarms were provided to the Ministry during the inspection: Primary Disinfection Chlorine - Low Low: 0.40 mg/L - Low: 0.60 mg/L - alarm and locks out well			

Question ID	DWMR1040001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 6-5 (1)1-4; SDWA O. Reg. 170/03 6-5 (1)5-10;			
Question: Were all continuous analysers calibrated, maintained, and operated, in accordance with the manufacturer's instructions or the regulation?			
Compliance Response(s)/Corrective Action(s)/Observation(s): All continuous analysers were calibrated, maintained, and operated as required. Turbidity and chlorine continuous analyzers are calibrated annually by Hach Service Plus and were last calibrated on June 27, 2024. Flow meters are calibrated annually by Franklin Empire Inc and were last calibrated on January 3, 2024.			

Question ID	DWMR1108001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 6-5 (1)5-10; SDWA O. Reg. 170/03 6-5 (1.1);			
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, Municipal Drinking Water Licence, Drinking Water Works Permit, or order triggered an alarm or an automatic shut-off, did a qualified person respond as required and take appropriate actions?

Compliance Response(s)/Corrective Action(s)/Observation(s):

A qualified person responded as required and took appropriate actions.

A review of the Camborne DWS logbooks indicated that staff responded to alarms in a timely manner. Appropriate actions were taken and recorded in the logbook.

Question ID	DWMR1099001	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Do records show that water provided by the drinking water system met the Ontario Drinking Water Quality Standards?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Records showed that all water sample results met the Ontario Drinking Water Quality Standards.			

Question ID	DWMR1082001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 11-2 (1); SDWA O. Reg. 170/03 11-2 (2); SDWA O. Reg. 170/03 11-2 (6);			
Question: Were distribution microbiological sampling requirements prescribed by Schedule 11-2 of O. Reg. 170/03 for small municipal residential systems met?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Distribution microbiological sampling requirements were met. During the inspection period one distribution water sample was collected and analyzed for total coliforms, e. coli and heterotrophic plate counts (HPC) at least every two weeks in accordance with Schedule 11-2 of O. Reg. 170/03. Total coliforms and e.coli were non detect in all distribution water samples during the inspection period. Results for HPC in the distribution system ranged from 0 to 23 CFU/1 ml.			

Question ID	DWMR1096001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 6-3 (1);			

<p>Question: Did records confirm that chlorine residual tests were conducted at the same time and location as microbiological samples?</p>
<p>Compliance Response(s)/Corrective Action(s)/Observation(s): Records confirmed that chlorine residual tests were conducted as required.</p>

Question ID	DWMR1084001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 13-2;			
Question: Were inorganic parameter sampling requirements prescribed by Schedule 13-2 of O. Reg. 170/03 met?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Inorganic parameter sampling requirements were met. Treated water samples were required to be collected and tested for inorganic parameters listed in Schedule 23 of O. Reg. 170/03 every 60 months, in accordance with regulatory requirements. Records provided to the Ministry confirmed that sampling for inorganic parameters was conducted on May 26, 2021, in accordance with Schedule 13-2(3) of O. Reg. 170/03.			

Question ID	DWMR1085001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 13-4 (1); SDWA O. Reg. 170/03 13-4 (2); SDWA O. Reg. 170/03 13-4 (3);			
Question: Were organic parameter sampling requirements prescribed by Schedule 13-4 of O. Reg. 170/03 met?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Organic parameter sampling requirements were met. Treated water samples were required to be collected and tested for organic parameters listed in Schedule 24 of O. Reg. 170/03 every 60 months, in accordance with regulatory requirements. Records provided to the Ministry confirmed that sampling for organic parameters was conducted on May 26, 2021 in accordance with Schedule 13-4(3) of O. Reg. 170/03.			

Question ID	DWMR1086001	Question Type	Legislative
Legislative Requirement(s): 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);			
Question: Were haloacetic acid sampling requirements prescribed by Schedule 13-6 of O. Reg. 170/03 met?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Haloacetic acid sampling requirements were met. Records provided to the Ministry confirmed that sampling for haloacetic acids (HAA) was conducted quarterly, in accordance with Schedule 13-6.1 of O. Reg. 170/03. The running quarterly average of total HAAs was less than the method detection limit of 5.3 ug/L for the last four quarterly periods.			

Question ID	DWMR1087001	Question Type	Legislative
Legislative Requirement(s): 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);			
Question: Were trihalomethane sampling requirements prescribed by Schedule 13-6 of O. Reg. 170/03 met?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Trihalomethane sampling requirements were met. Records provided to the Ministry confirmed that sampling for trihalomethanes (THM) was conducted quarterly, in accordance with Schedule 13-6(1) of O. Reg. 170/03. The running quarterly average of total THMs was 8.33 ug/L for the last four quarterly periods.			

Question ID	DWMR1088001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 13-7;			
Question: Were nitrate/nitrite sampling requirements prescribed by Schedule 13-7 of O. Reg. 170/03 met?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Nitrate/nitrite sampling requirements were met.			

Records provided to the Ministry confirmed that sampling for nitrates and nitrites was conducted every three months, in accordance with Schedule 13-7 of O. Reg. 170/03.

Nitrate concentrations ranged from less than the method detection limit of 0.006 mg/L to 0.016 mg/L and nitrite concentrations remained below the method detection limit of 0.003 mg/L during the inspection period.

Question ID	DWMR1089001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 13-8;			
Question: Were sodium sampling requirements prescribed by Schedule 13-8 of O. Reg. 170/03 met?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Sodium sampling requirements were met. Schedule 13-8 of O. Reg. 170/03 requires that treated water samples be collected and analyzed for sodium every 60 months. Treated water samples were last collected and analyzed for sodium on June 1, 2022.			

Question ID	DWMR1090001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 13-9;			
Question: Where fluoridation is not practiced, were fluoride sampling requirements prescribed by Schedule 13-9 of O. Reg. 170/03 met?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Fluoride sampling requirements were met. Schedule 13-9 of O. Reg. 170/03 requires that treated water samples be collected and analyzed for fluoride every 60 months. Treated water samples were last collected and analyzed for fluoride on June 1, 2022.			

Question ID	DWMR1094001	Question Type	Legislative
Legislative Requirement(s): SDWA 31 (1);			
Question: Were water quality sampling requirements imposed by the Municipal Drinking Water Licence and Drinking Water Works Permit met?			

Compliance Response(s)/Corrective Action(s)/Observation(s):

Water quality sampling requirements were met.

Section 5.4 of Schedule C of Municipal Drinking Water Licence 139-103 Issue Number 4 (MDWL) states that the Camborne DWS must monitor process wastewater for suspended solids and total chlorine residual quarterly at the point of discharge. Suspended solids are to be monitored using a composite sample and chlorine residual is monitored by collecting a grab sample. Section 1.5 of Schedule C of the MDWL prescribes that the annual average concentration of TSS shall not exceed 25 mg/L and the annual average concentration of total chlorine residual shall not exceed 0.02 mg/L.

A review of records for the inspection period indicated that process wastewater suspended solids and chlorine residuals were monitored quarterly at the discharge point, in accordance with Section 5.4 of Schedule C of MDWL 139-103 Issue Number 2. TSS ranged from 6 mg/L to 8 mg/L and total chlorine residual ranged from 0.02 mg/L to 0.03 mg/L.

Question ID	DWMR1104001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 16-6 (1); SDWA O. Reg. 170/03 16-6 (2); SDWA O. Reg. 170/03 16-6 (3); SDWA O. Reg. 170/03 16-6 (3.1); SDWA O. Reg. 170/03 16-6 (3.2); SDWA O. Reg. 170/03 16-6 (4); SDWA O. Reg. 170/03 16-6 (5); SDWA O. Reg. 170/03 16-6 (6);			
Question: Were immediate verbal notification requirements for adverse water quality incidents met?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Immediate verbal notification requirements for adverse water quality incidents were met.			

Question ID	DWMR1102001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 18-10 (1); SDWA O. Reg. 170/03 18-11; SDWA O. Reg. 170/03 18-12; SDWA O. Reg. 170/03 18-13; SDWA O. Reg. 170/03 18-14; SDWA O. Reg. 170/03 18-2; SDWA O. Reg. 170/03 18-3; SDWA O. Reg. 170/03 18-4; SDWA O. Reg. 170/03 18-5; SDWA O. Reg. 170/03 18-6; SDWA O. Reg. 170/03 18-9;			
Question: For small municipal residential systems, were corrective actions, including any steps directed by the Medical Officer of Health, taken to address adverse conditions?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Corrective actions were taken to address adverse conditions.			

Question ID	DWMR1113001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 10.1 (3);			
Question: Were changes to the system registration information provided to the ministry within ten (10) days of the change?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Changes to the system registration information were provided as required.			

Question ID	DWMR1114001	Question Type	Legislative
Legislative Requirement(s): SDWA 31 (1);			
Question: Did the owner have evidence that, when required, all legal owners associated with the drinking water system were notified of the requirements of the Municipal Drinking Water Licence and Drinking Water Works Permit?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner had evidence that the required notifications were made. The Corporation of the Township of Hamilton receives all updated DWWP and MDWL's issued to the Camborne DWS. Annual Reports are also presented to council.			

Question ID	DWMR1045001	Question Type	Legislative
Legislative Requirement(s): SDWA 31 (1);			
Question: Did the owner update the document describing the distribution components within 12 months of completion of alterations to the system in accordance with the Drinking Water Works Permit?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner had up-to-date documents describing the distribution components.			

Question ID	DWMR1060001	Question Type	Legislative
Legislative Requirement(s): SDWA 31 (1);			

<p>Question: Did the operations and maintenance manual(s) meet the requirements of the Municipal Drinking Water Licence?</p>
<p>Compliance Response(s)/Corrective Action(s)/Observation(s): The operations and maintenance manual(s) met the requirements of the Municipal Drinking Water Licence.</p>

Question ID	DWMR1062001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 7-5;			
Question: Did records or other record keeping mechanisms confirm that operational testing not performed by continuous monitoring equipment was done by a certified operator, water quality analyst, or person who met the requirements of Schedule 7-5 of O. Reg. 170/03?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Records or other record keeping mechanisms confirmed that operational testing not performed by continuous monitoring equipment was done by a certified operator, water quality analyst, or person who met the requirements of Schedule 7-5 of O. Reg. 170/03.			

Question ID	DWMR1071001	Question Type	BMP
Legislative Requirement(s): Not Applicable			
Question: Did the owner provide security measures to protect components of the drinking water system?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner provided security measures to protect components of the drinking water system. The Camborne DWS Treatment Plant is locked and alarmed through SCADA and the source well pits are locked.			

Question ID	DWMR1073001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 128/04 23 (1);			
Question: Was an overall responsible operator designated for all subsystems which comprise the drinking water system?			

Compliance Response(s)/Corrective Action(s)/Observation(s):

An overall responsible operator was designated for all subsystem.

The Camborne DWS is classified as a Class 1 Water Treatment Subsystem and a Class 1 Water Distribution Subsystem.

Anita Schoenleber has been designated as the Overall-Responsible-Operator (ORO). Anita Schoenleber holds a valid Class 4 Water Treatment Subsystem Certificate that expires on January 31, 2027, and a Class 3 Water Distribution and Supply Subsystem Certificate that expires on April 30, 2026.

Question ID	DWMR1074001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 128/04 25 (1);			
Question: Were operators-in-charge designated for all subsystems which comprise the drinking water system?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Operators-in-charge were designated for all subsystems.			

Question ID	DWMR1075001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 128/04 22;			
Question: Were all operators certified as required?			
Compliance Response(s)/Corrective Action(s)/Observation(s): All operators were certified as required.			

Question ID	DWMR1076001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 1-2 (2);			
Question: Were adjustments to the treatment equipment only made by certified operators?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Adjustments to the treatment equipment were only made by certified operators.			



KEY REFERENCE AND GUIDANCE MATERIAL

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 AUDIT SAMPLE RESULTS

Ministry of the Environment, Conservation and Parks - Inspection Summary Rating Record (Reporting Year - 2024-25)

DWS Name:	CAMBORNE DRINKING WATER SYSTEM
DWS Number:	220008113
DWS Owner:	THE CORPORATION OF THE TOWNSHIP OF HAMILTON
Municipal Location:	COBOURG
Regulation:	O.REG. 170/03
DWS Category:	DW Municipal Residential
Type of Inspection:	Focused
Compliance Assessment Start Date:	Nov-18-2024
Ministry Office:	Peterborough District Office

Maximum Risk Rating: 472

Inspection Module	Non Compliance Risk (X out of Y)
Capacity Assessment	0/30
Certification and Training	0/42
Distribution System	0/4
Logbooks	0/14
Operations Manuals	0/14
Reporting & Corrective Actions	0/74
Source	0/14
Treatment Processes	21/189
Water Quality Monitoring	0/91
Overall - Calculated	21/472

Inspection Risk Rating:	4.45%
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Final Inspection Rating:	95.55%
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Ministry of the Environment, Conservation and Parks - Detailed Inspection Rating Record (Reporting Year - 2024-25)

DWS Name: CAMBORNE DRINKING WATER SYSTEM
DWS Number: 220008113
DWS Owner Name: THE CORPORATION OF THE TOWNSHIP OF HAMILTON
Municipal Location: COBOURG
Regulation: O.REG. 170/03
DWS Category: DW Municipal Residential
Type of Inspection: Focused
Compliance Assessment Start Date: Nov-18-2024
Ministry Office: Peterborough District Office

Non-Compliance Question(s)	Non Compliance Risk
Treatment Processes	
Was continuous monitoring equipment that was being utilized to fulfill O. Reg. 170/03 requirements performing tests for the parameters with at least the minimum frequency and recording data with the prescribed format?	21
Overall - Total	21

Maximum Question Rating: 472

Inspection Risk Rating:	4.45%
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FINAL INSPECTION RATING:	95.55%
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