



Durham Drinking Water System  
172 SOUTH ST E, WEST GREY, ON, N0G 1R0  
**Inspection Report**

System Number:

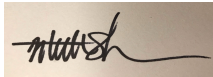
Entity: THE CORPORATION OF THE  
MUNICIPALITY OF WEST GREY

Inspection Start Date: 01/24/2023 (mm/dd/yyyy)

Inspection End Date: 03/29/2023 (mm/dd/yyyy)

Inspected By: Matt Shannon

Badge #: 1021

A rectangular box containing a handwritten signature in black ink, which appears to read "Matt Shannon".

(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
<b>Question:</b> What was the scope of this inspection?			
<b>Legislative Requirement</b>	Not Applicable		
<b>Observation</b>  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.  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.  The inspection review period is from February 28, 2022 to January 24, 2023.			

Question ID	MRDW1000001	Question Type	Information
<b>Question:</b> Does this drinking water system provide primary disinfection?			
<b>Legislative Requirement</b>	Not Applicable		
<b>Observation</b>  This Drinking Water System provides for both primary and secondary disinfection and distribution of water.			

Question ID	MRDW1007001	Question Type	Legislative
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<b>Question:</b>	
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?	
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   1-2   (1);
<b>Observation</b>	
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.	

<b>Question ID</b>	MRDW1008001	<b>Question Type</b>	Legislative
<b>Question:</b>			
If there are municipal wells not being used as a raw water supply, is the owner maintaining the wells in a manner to prevent the entry of surface water and other foreign materials?			
<b>Legislative Requirement</b>	OWRA   R.R.O. 1990, Reg. 903   21   (3);		
<b>Observation</b>			
The owner was maintaining the municipal wells not being used as a raw water supply in a manner to prevent the entry of surface water and other foreign materials.			

<b>Question ID</b>	MRDW1009001	<b>Question Type</b>	Legislative
<b>Question:</b>			
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?			
<b>Legislative Requirement</b>	SDWA   31   (1);		
<b>Observation</b>			
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.			

<b>Question ID</b>	MRDW1010001	<b>Question Type</b>	BMP
<b>Question:</b>			
Are trends in source water quality being monitored?			
<b>Legislative Requirement</b>	Not Applicable		
<b>Observation</b>			

Trends in source water quality were being monitored.

Question ID	MRDW1014001	Question Type	Legislative
<b>Question:</b> 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);		
<b>Observation</b> 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	MRDW1015001	Question Type	Legislative
<b>Question:</b> 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);		
<b>Observation</b> The flow measuring devices were calibrated or verified in accordance with the requirements of the MDWL issued under Part V of the SWDA.			

Question ID	MRDW1016001	Question Type	Legislative
<b>Question:</b> 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);		
<b>Observation</b> 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.			

Question ID	MRDW1017000	Question Type	Legislative
<b>Question:</b>			

Were appropriate records of flows and any capacity exceedances made in accordance with the MDWL issued under Part V of the SDWA?	
<b>Legislative Requirement</b>	SDWA   31   (1);
<b>Observation</b>	
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
Question: Is the owner in compliance with all conditions of the PTTW?			
Legislative Requirement	OWRA   34   (3);		
Observation			
The owner was in compliance with all conditions of the PTTW.			

Question ID	MRDW1018001	Question Type	Legislative
<b>Question:</b> 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);		
<b>Observation</b> 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
<b>Question:</b> 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);		
<b>Observation</b> 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.

Question ID	MRDW1021001	Question Type	Legislative
<b>Question:</b> 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?			
<b>Legislative Requirement</b>	SDWA   31   (1);		
<b>Observation</b> 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.			

Question ID	MRDW1025001	Question Type	Legislative
<b>Question:</b> 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?			
<b>Legislative Requirement</b>	SDWA   31   (1);		
<b>Observation</b> 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	MRDW1023001	Question Type	Legislative
<b>Question:</b> 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?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   1-2   (2);		
<b>Observation</b> 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.

Primary disinfection is achieved through cartridge filtration, UV disinfection and chlorination to meet a combined 4-log inactivation of viruses, as required in Schedule E of License #096-101, Issue No. 7.

A new licence and permit was issued in March 2022 classifying Well 1B as groundwater. The requirement for chlorine as part of the primary disinfection was removed, as UV disinfection alone is adequate for a groundwater source.

UV equipment must provide a minimum dosage of 40 mJ/cm<sup>2</sup> to meet primary disinfection requirements for all wells.

During the inspection review period, primary disinfection criteria were met.

Question ID	MRDW1027000	Question Type	Legislative
<b>Question:</b> 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?			
<b>Legislative Requirement</b>		SDWA   31   (1);	
<b>Observation</b> 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
<b>Question:</b> Do records confirm that the water treatment equipment which provides chlorination or chloramination for secondary disinfection purposes was operated as required?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   1-2   (2);		
<b>Observation</b> 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.			



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<b>Question ID</b>	MRDW1026001	<b>Question Type</b>	Legislative
<b>Question:</b> 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?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   1-6   (1);		
<b>Observation</b>			
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.			

<b>Question ID</b>	MRDW1033001	<b>Question Type</b>	Legislative
<b>Question:</b> Is the secondary disinfectant residual measured as required for the large municipal residential distribution system?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   7-2   (3); SDWA   O. Reg. 170/03   7-2   (4);		
<b>Observation</b>			
The secondary disinfectant residual was measured as required for the large municipal residential distribution system.			

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

<b>Question ID</b>	MRDW1049001	<b>Question Type</b>	BMP
<b>Question:</b> Do records confirm that disinfectant residuals are routinely checked at the extremities and			

dead ends of the distribution system?	
<b>Legislative Requirement</b>	Not Applicable
<b>Observation</b>	
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  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	MRDW1031001	Question Type	BMP
<b>Question:</b> Are operators aware of the operational criteria necessary to achieve primary disinfection within the drinking water system?			
Legislative Requirement	Not Applicable		
<b>Observation</b> Operators were aware of the operational criteria necessary to achieve primary disinfection within the drinking water system.			

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

<b>Observation</b>
Operators were examining continuous monitoring test results and they were examining the results within 72 hours of the test.

<b>Question ID</b>	MRDW1038001	<b>Question Type</b>	Legislative
<b>Question:</b> 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?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   6-5   (1)1-4;		
<b>Observation</b>	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.		

<b>Question ID</b>	MRDW1037001	<b>Question Type</b>	Legislative
<b>Question:</b> 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?			
<b>Legislative Requirement</b>	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);		
<b>Observation</b>	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.		

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

	170/03   6-5   (1)5-10;
<b>Observation</b>	
All continuous analysers were calibrated, maintained, and operated, in accordance with the manufacturer's instructions or the regulation.	

Question ID	MRDW1108001	Question Type	Legislative
<b>Question:</b> 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);		
<b>Observation</b> 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	MRDW1039000	Question Type	Legislative
<b>Question:</b> 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);		
<b>Observation</b> The owner and operating authority ensured that the primary disinfection equipment had a recording device that continuously recorded the performance of the disinfection equipment.			

<b>Question ID</b>	MRDW1109001	<b>Question Type</b>	Legislative
<b>Question:</b>			
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?			

<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   1-6   (1);
<b>Observation</b>	
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.	

Question ID	MRDW1042001	Question Type	Legislative
<b>Question:</b> 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);		
<b>Observation</b>			
All UV sensors were checked and calibrated as required.			

Question ID	MRDW1099001	Question Type	Information
<b>Question:</b> 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)?			
<b>Legislative Requirement</b>	Not Applicable		
<b>Observation</b> 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
<b>Question:</b> 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.

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

Question ID	MRDW1083001	Question Type	Legislative
<b>Question:</b> For LMR systems, are all microbiological water quality monitoring requirements for treated samples being met?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   10-3;		
<b>Observation</b> All microbiological water quality monitoring requirements prescribed by legislation for treated samples were being met.			

Question ID	MRDW1096001	Question Type	Legislative
<b>Question:</b> Do records confirm that chlorine residual tests are being conducted at the same time and at the same location that microbiological samples are obtained?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   6-3   (1);		
<b>Observation</b> 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
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<b>Question:</b>	
Are all inorganic water quality monitoring requirements prescribed by legislation conducted within the required frequency?	
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   13-2;
<b>Observation</b>	
All inorganic water quality monitoring requirements prescribed by legislation were conducted within the required frequency.	
Inorganic sampling for parameters of Schedule 23, O.Reg. 170 is required every twelve (12) months for GUDI sources. The most current sample event occurred on August 15, 2022 from both Well #1b and #2/2A. All sample results were within the prescribed limits.	

Question ID	MRDW1085001	Question Type	Legislative
<b>Question:</b> 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);		
<b>Observation</b> All organic water quality monitoring requirements prescribed by legislation were conducted within the required frequency.  Organic sampling for parameters of Schedule 24, O.Reg. 170 is required every (12) months for GUDI sources. The most current sample event occurred on August 15, 2022 from both Well #1b and #2/2A. All sample results were within the prescribed limits.			

Question ID	MRDW1086001	Question Type	Legislative
<b>Question:</b> Are all haloacetic acid water quality monitoring requirements prescribed by legislation conducted within the required frequency and at the required location?			
<b>Legislative Requirement</b>	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);		
<b>Observation</b> All haloacetic acid water quality monitoring requirements prescribed by legislation were conducted within the required frequency and at the required location.			

All haloacetic acid samples, collected during the inspection review period, had a concentration below the method detection limit of 5.3 ug/L.

Question ID	MRDW1087001	Question Type	Legislative
<b>Question:</b> Have all trihalomethane water quality monitoring requirements prescribed by legislation been conducted within the required frequency and at the required location?			
<b>Legislative Requirement</b>	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);		
<b>Observation</b>  All trihalomethane water quality monitoring requirements prescribed by legislation were conducted within the required frequency and at the required location.  The current running annual average trihalomethane concentration is 5.7 ug/L. The Ontario Drinking Water Quality Standard for THMs is 100 ug/L.			

Question ID	MRDW1088000	Question Type	Legislative
<b>Question:</b> Are all nitrate/nitrite water quality monitoring requirements prescribed by legislation conducted within the required frequency for the DWS?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   13-7;		
<b>Observation</b>  All nitrate/nitrite water quality monitoring requirements prescribed by legislation were conducted within the required frequency for the DWS.			

Question ID	MRDW1089000	Question Type	Legislative
<b>Question:</b> Are all sodium water quality monitoring requirements prescribed by legislation conducted within the required frequency?			
Legislative Requirement	SDWA   O. Reg. 170/03   13-8;		
<b>Observation</b>			
All sodium water quality monitoring requirements prescribed by legislation were conducted			



within the required frequency.

Sodium sampling is required every sixty (60) months; the most current sodium sample date was August 4, 2020 with results of 6.2 and 11 mg/L at Well #1b & #2/2A respectively. These are below the O.Reg. 170/03 reporting limit of 20.0 mg/L.

Question ID	MRDW1090000	Question Type	Legislative
<b>Question:</b> Where fluoridation is not practiced, are all fluoride water quality monitoring requirements prescribed by legislation conducted within the required frequency?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   13-9;		
<b>Observation</b>  All fluoride water quality monitoring requirements prescribed by legislation were conducted within the required frequency.  Fluoride sampling is required every sixty (60) months. The last sample event reported was on August 30, 2021 with a result of 0.20 and 0.67 mg/L at Well #1b & #2/2A respectively, which are within the prescribed limits of 1.5 mg/L.			

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

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

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Question ID	MRDW1095001	Question Type	Legislative
<b>Question:</b> Have all lead sampling requirements prescribed by Schedule 15.1 of O. Reg. 170/03 been met?			
<b>Legislative Requirement</b>	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);		
<b>Observation</b> All sampling requirements for lead prescribed by schedule 15.1 of O. Reg. 170/03 were being met.			

Question ID	MRDW1097000	Question Type	Legislative
<b>Question:</b> If the drinking water system obtains water from a ground water source, is turbidity being tested at least once every month from each well that is supplying water to the system?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   7-3   (1.1);		
<b>Observation</b> Turbidity was being tested at least once every month from each well that is supplying water to the system.			

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

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

Question ID	MRDW1111000	Question Type	Legislative
<b>Question:</b> Have Summary Reports for municipal council been completed on time, include the required content, and distributed in accordance with the regulatory requirements?			
<b>Legislative Requirement</b> 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);			
<b>Observation</b> 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
<b>Question:</b> Have all changes to the system registration information been provided to the Ministry within ten (10) days of the change?			

<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   10.1   (3);
<b>Observation</b>	
All changes to the system registration information were provided within ten (10) days of the change.	

Question ID	MRDW1045001	Question Type	Legislative
Question:			
Has the owner updated the document describing the distribution components within 12 months of completion of alterations to the system?			
Legislative Requirement	EPA; SDWA   31   (1);		
Observation			
The owner had up-to-date documents describing the distribution components as required.			

Question ID	MRDW1046001	Question Type	BMP
<b>Question:</b> 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		
<b>Observation</b> There was a backflow prevention program, policy and/or bylaw in place.			

Question ID	MRDW1053001	Question Type	BMP
<b>Question:</b> 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		
<b>Observation</b> 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.			

<b>Question ID</b>	MRDW1047001	<b>Question Type</b>	BMP
<b>Question:</b> 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?			
<b>Legislative Requirement</b>	Not Applicable		
<b>Observation</b>			
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.			

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

<b>Question ID</b>	MRDW1050001	<b>Question Type</b>	BMP
<b>Question:</b> Is there a program in place for inspecting and exercising valves?			
<b>Legislative Requirement</b>	Not Applicable		
<b>Observation</b>			
There was a program in place for inspecting and exercising valves.			

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

Question ID	MRDW1052001	Question Type	BMP
<b>Question:</b> Is there a by-law or policy in place limiting access to hydrants?			
Legislative Requirement	Not Applicable		
<b>Observation</b> There was a by-law or policy in place limiting access to hydrants.			

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

Question ID	MRDW1059000	Question Type	Legislative
<b>Question:</b> 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;		
<b>Observation</b> 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
<b>Question:</b> 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);		
<b>Observation</b>			

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
<b>Question:</b> Are logbooks properly maintained and contain the required information?			
<b>Legislative Requirement</b>	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);		
<b>Observation</b> Logbooks were properly maintained and contained the required information.			

Question ID	MRDW1062001	Question Type	Legislative
<b>Question:</b> 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?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   7-5;		
<b>Observation</b> 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
<b>Question:</b> 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?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   6-10   (1);		
<b>Observation</b> 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
<b>Question:</b> 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);		
<b>Observation</b> 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.			



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

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

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

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

Question ID	MRDW1072001	Question Type	BMP
<b>Question:</b> Has the owner and/or operating authority undertaken efforts to promote water conservation and reduce water losses in their system?			
Legislative Requirement	Not Applicable		
<b>Observation</b> 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
<b>Question:</b> 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);		
<b>Observation</b> The overall responsible operator had been designated for each subsystem.			

Question ID	MRDW1078001	Question Type	Legislative
<b>Question:</b> 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?			
<b>Legislative Requirement</b>	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);		
<b>Observation</b> 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
<b>Question:</b> Have operators-in-charge been designated for all subsystems for which comprise the			

drinking water system?	
<b>Legislative Requirement</b>	SDWA   O. Reg. 128/04   25   (1);
<b>Observation</b>	
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.			