

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

Drinking Water and Environmental  
Compliance Division  
Southwest Region  
733 Exeter Road  
London, ON N6E 1L3  
Tel (519) 873-5000

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

Division de la conformité en matière d'eau  
potable et d'environnement  
Région Sud-Ouest  
733, rue Exeter  
London, ON N6E 1L3  
Tel (519) 873-5000



March 20, 2025

The Corporation of the Municipality of Leamington  
111 Erie Street  
Leamington, ON  
N8H 2Z9

Attention: Mr. Nelson Carvalho, Supervisor of Water Works Services  
Ms. Shannon Belleau, Manager of Environmental Services

Re: Leamington Distribution System - Union Ds, Inspection Report (DWS# 220004992)  
Inspection conducted on February 7, 2025

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Dear Ms. Belleau and Mr. Carvalho,

Enclosed is the report on the 2024-25 inspection of the Leamington Drinking Water System, known as the Leamington Distribution System - Union Ds, (DWS# 220004992) and the corresponding Inspection Rating Report (IRR) and Risk Methodology document.

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

The IRR is a summarized quantitative measure of the drinking water system's annual inspection and is published in the Ministry's Chief Drinking Water Inspector's Annual Report. The Risk Methodology document describes the risk rating methodology which has been applied to the findings of the Ministry's municipal residential drinking water system inspection results.

If you have any questions or concerns regarding the rating, please contact Mark Smith, Water Compliance Supervisor, at 519-317-8116.

Yours truly,

A handwritten signature in black ink, appearing to read "Paul Merritt", written over a light blue horizontal line.

Paul Merritt  
Provincial Officer  
London District Office

cc. Windsor-Essex County Health Unit  
Essex Region Conservation Authority



LEAMINGTON DISTRIBUTION SYSTEM (UNION DS)

## INSPECTION REPORT

Entity: CORPORATION OF THE  
MUNICIPALITY OF  
LEAMINGTON  
Inspection Start Date: February 07, 2025  
Site Inspection Date: February 07, 2025  
Inspection End Date: February 24, 2025  
Inspected By: Paul Merritt  
Badge #: 1531



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(signature)

## INTRODUCTION

### Purpose

This announced, detailed inspection was conducted to confirm compliance with Ministry of the Environment, Conservation and Parks' (MECP) legislation and conformance with ministry drinking water policies and guidelines.

### 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 Municipality of Leamington. Operators with the Municipality of Leamington perform system maintenance and repairs. While operators with the Ontario Clean Water Agency (OCWA) perform regular sampling.

The system serves an estimated population of 31,000 and is categorized as a Large Municipal Residential System. Information reviewed for this inspection covered the time period of May 1, 2023, to December 31, 2024.

The water compliance officer met with Shannon Belleau, Manager of Environmental Services with the Municipality of Leamington, Nelson Carvalho, Supervisor of Water Works Services with the Municipality of Leamington and Sandra Reaume, Process and Compliance Technician with Union Water Supply System, as part of the inspection process.

## **Systems/Components**

The Leamington Distribution System - Union Ds (DWS#220004992) only manages the distribution of water from the donor system. Primary and secondary disinfection is undertaken by another regulated drinking water system which provides treated water to this drinking water system.

The Municipality's system is supplied by The Union Water Supply System (UWSS) (DWS#210000853). The Leamington 1500 m<sup>3</sup> elevated tank, and the 6800 m<sup>3</sup> Albuna tower (located in Kingsville at the municipal boundary) are owned by Union Water Supply System Inc. and are not included within the scope of this inspection. The two elevated storage structures maintain distribution system pressure and are controlled and monitored from the UWSS.

The Leamington distribution system has an interconnect to the Stoney Point Drinking Water System in the Town of Lakeshore at Hwy. 77 and County Road 8. This valve is closed at all times and is only opened in an emergency. There is an interconnect to the Kingsville system at County Rd 14, this valve is closed and only opened during an emergency. There are also two interconnects to the Wheatley system along the East boundary of the Leamington distribution system.

The Leamington distribution system has been supplying water to the town of Wheatley during the winter months of this inspection period as part of the emergency response to the Wheatley water treatment facility fire. The Wheatley water treatment facility is scheduled to return to normal operational status later in 2025.

The Municipality of Leamington system does not include any chlorination facilities. Rather, the Municipality uses a combination of manual and automated flushing to ensure adequate secondary disinfection is maintained within their distribution system.

The Union Water Supply System is inspected separately from this drinking water system.

## **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:

- Municipal Drinking Water Licence (MDWL) # 033-101, Issue #6, Dated: June 27, 2024, and
- Drinking Water Works Permit (DWWP) # 033-201, Issue #6, Dated: June 27, 2024.

**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><b>Question ID:</b> DWMR1114001</p> <p>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?</p>	<p>The owner did not have evidence that the required notifications from the Municipal Drinking Water Licence and Drinking Water Works Permit to all legal owners associated with the drinking water system were made.</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

<b>Question ID</b>	DWMR1018001	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   31   (1);			
<b>Question:</b> Did the owner ensure that equipment was installed in accordance with Schedule A and Schedule C of the Drinking Water Works Permit?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The owner ensured that equipment was installed as required.			

<b>Question ID</b>	DWMR1020001	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   31   (1);			
<b>Question:</b> Were Form 1 documents prepared as required?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Form 1 documents were prepared as required.  During this inspection period three (3) Form 1 documents were prepared as required by the Municipality of Leamington.			

<b>Question ID</b>	DWMR1028001	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   31   (1);			
<b>Question:</b> Were up-to-date plans for the drinking water system 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 Drinking Water Works Permit and Municipal Drinking Water Licence?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Plans for the drinking water system were kept up-to-date and made available as required.			

<b>Question ID</b>	DWMR1025001	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   31   (1);			
<b>Question:</b> 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?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> All parts of the drinking water system were disinfected as required.			

<b>Question ID</b>	DWMR1027001	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   31   (1);			
<b>Question:</b> Did the owner have evidence indicating that chemicals and materials that came in contact with water within the drinking water system met all applicable AWWA and ANSI standards in accordance with the Municipal Drinking Water Licence and Drinking Water Works Permit?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The owner had evidence indicating that chemicals and materials that came in contact with water within the drinking water system met the applicable standards.			

<b>Question ID</b>	DWMR1033001	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   7-2   (3); SDWA   O. Reg. 170/03   7-2   (4);			
<b>Question:</b> Was secondary disinfectant residual tested as required for the large municipal residential distribution system?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Secondary disinfectant residual was tested as required.			
As per O. Reg. 170/03 s. 7-2 (3), the owner/operating authority of a system that provides secondary disinfection shall ensure that at least seven distribution samples are taken each week and are tested immediately for free chlorine residual. Samples must either be taken daily, or at least four of the samples must be taken on one day of the week, and at least three of the samples must be taken on a second day of the week, at least 48 hours apart. When more than one sample is taken on the same day of the week then each sample must be taken from a different location. As of June 4, 2018, the UWSS has been using chlorination, instead			



of chloramination, for secondary disinfection purposes. Failure to maintain target secondary disinfection has been identified in the Operational Plan as a critical control point. The critical control limits are: Trigger Free Chlorine Residual = 0.25 mg/L, Target Free Chlorine Residual = 0.5 mg/L. During the inspection review period (May 1, 2023, to December 31, 2024) at least seven distribution samples were collected each week and tested for free and total chlorine residuals. The free chlorine residuals ranged from 0.52 to 1.65 mg/L.

At the inspection, the undersigned officer requested an operator measure the chlorine residual in the distribution system at the kitchen fixture at the Municipality of Leamington Water office. The concentration was observed to be measured at 1.30 mg/L free chlorine.

<b>Question ID</b>	DWMR1049001	<b>Question Type</b>	BMP
<b>Legislative Requirement(s):</b> Not Applicable			
<b>Question:</b> Did records confirm that disinfectant residuals were routinely checked at the extremities and dead ends of the distribution system?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Records confirmed that disinfectant residuals were routinely checked at the extremities and dead ends of the distribution system.			

<b>Question ID</b>	DWMR1036001	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   6-7   (1);			
<b>Question:</b> Where continuous monitoring equipment was not used for chlorine residual analysis, were samples tested using an acceptable portable device?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Samples for chlorine residual analysis were tested using an acceptable portable device.			

<b>Question ID</b>	DWMR1099001	<b>Question Type</b>	Information
<b>Legislative Requirement(s):</b> Not Applicable			
<b>Question:</b> 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 not all water sample results met the Ontario Drinking Water Quality Standards.

The Leamington Distribution System had one occurrence of an adverse water quality incident (AWQI) during the inspection period.

The AWQI occurred from a sample taken on July 2, 2024, and was reported to the MECP and the local health unit on July 3, 2024. The sample was taken from the SS-L-03 sampling station and there was a total coliform count of 20 CFU/100mL, the free chlorine residual at the time of the sample was 0.99mg/L. The operating authority followed Ministry of Health direction by flushing and resampling upstream, downstream and at the sample source. On July 4, 2024, the operating authority flushed and resampled upstream, downstream and at the source. These samples were clear of any bacterial contamination and a free chlorine residual was noted as 1.18mg/L, 1.06mg/L and 1.18mg/L at the sample locations. On July 5, 2024, the operating authority flushed and resampled upstream, downstream and at the source. These samples were clear of any bacterial contamination and a free chlorine residual was noted as 1.18mg/L, 1.07mg/L and 1.15mg/L at the sample locations.

<b>Question ID</b>	DWMR1081001	<b>Question Type</b>	Legislative
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**Legislative Requirement(s):**

SDWA | O. Reg. 170/03 | 10-2 | (1); SDWA | O. Reg. 170/03 | 10-2 | (2); SDWA | O. Reg. 170/03 | 10-2 | (3);

**Question:**

Were distribution microbiological sampling requirements prescribed by Schedule 10-2 of O. Reg. 170/03 for large municipal residential systems met?

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

Distribution microbiological sampling requirements were met.

As per O.Reg. 170/03 s. 10-2, the owner/operating authority for the system shall ensure that if a system serves 100,000 people or less, at least eight distribution samples, plus one additional sample for every 1,000 people served, are taken every month, with at least one sample being taken each week. Each of the distribution samples collected must be tested for E. coli and total coliforms and at least 25 percent of these samples must be tested for general bacteria population expressed as colony counts on a heterotrophic plate count (HPC). For this system, at least 39 monthly samples of E. coli and total coliform, and 10 monthly samples of HPC, are required. During the inspection review period (May 1, 2023 to December 31, 2024), the Leamington (Union) DS was sampled 40 to 56 times per month. All of these samples were tested for E. coli, total coliforms and 20 to 25 samples were tested for HPC.

<b>Question ID</b>	DWMR1096001	<b>Question Type</b>	Legislative
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**Legislative Requirement(s):**

SDWA | O. Reg. 170/03 | 6-3 | (1);

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

Question ID	DWMR1086001	Question Type	Legislative
<p><b>Legislative Requirement(s):</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);</p>			
<p><b>Question:</b> Were haloacetic acid sampling requirements prescribed by Schedule 13-6 of O. Reg. 170/03 met?</p>			
<p><b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Haloacetic acid sampling requirements were met.</p> <p>As per O.Reg 170/03 s.13-6.1, the owner/operating authority shall ensure that a minimum of one sample is collected and tested for haloacetic acid (HAA) per calendar quarter. On January 1, 2020, the O.Reg. 169/03 standard for HAA (80ug/L) came into effect and is expressed as a running annual average (RAA) of quarterly results.</p> <p>During the inspection review period (May 1, 2023 to December 31, 2024) the HAA quarterly samples were collected on July 4, 2023 (14.1 ug/L), Oct. 3, 2023 (14.4 ug/L), Jan. 8, 2024 (14.8 ug/L), Apr. 3, 2024 (16.8 ug/L), July 3, 2024 (6.4 ug/L) and Oct. 2, 2024, (5.3 ug/L). The RAA for 2024 was 10.825 ug/L, well below the standard of 80 ug/L.</p>			

Question ID	DWMR1087001	Question Type	Legislative
<p><b>Legislative Requirement(s):</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);</p>			
<p><b>Question:</b> Were trihalomethane sampling requirements prescribed by Schedule 13-6 of O. Reg. 170/03 met?</p>			
<p><b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Trihalomethane sampling requirements were met.</p> <p>As per O. Reg. 170/03 s.13-6, the owner/operating authority shall ensure that a minimum of one sample is collected and tested for trihalomethanes (THM) per calendar quarter. During</p>			

the inspection review period (May 1, 2023 to December 31, 2024) the THM quarterly samples were collected on July 4, 2023 (40 ug/L), Oct. 3, 2023 (47 ug/L), Jan. 8, 2024 (23 ug/L), Apr. 3, 2024 (25 ug/L), July 3, 2024 (41 ug/L) and Oct. 2, 2024 (37 ug/L). The RAA was 31.5 ug/L, well below the standard of 100 ug/L.

<b>Question ID</b>	DWMR1092001	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   6-2;			
<b>Question:</b> Were water samples taken at the prescribed location?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Water samples were taken at the prescribed location.			

<b>Question ID</b>	DWMR1095001	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</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   (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);			
<b>Question:</b> Were lead sampling requirements prescribed by Schedule 15.1 of O. Reg. 170/03 met?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Lead sampling requirements were met.  This drinking water system is exempt from plumbing lead sampling as per the exemption in O. Reg. 170/03 Schedule 15.1. Under this exemption and as per subsection 15.1-5 (10), the owner/operating authority are required to test for pH and alkalinity during each of the two periods described in subsection 15.1-5 (5) (i.e. Dec. 15 to Apr. 15 and June 15 to Oct. 15) in every 12-month period and to test for lead during each of the two periods described in subsection 15.1-5 (5) in every third 12-month period. In accordance with the "Reduced Sampling Table" (found in O.Reg. 170/03 Schedule 15.1) and based on the population served by the Leamington (Union) Distribution System, at least four sampling points must be tested in the distribution system per period (i.e. Dec. 15 to Apr. 15 and June 15 to Oct. 15).			

During the inspection review period (May 1, 2023 to December 31, 2024), water samples were collected from six locations within the distribution system on July 6, 2023 (tested for Lead, alkalinity and pH) and Aug. 15, 2023 (tested for lead, alkalinity and pH). Eight locations were sampled on Mar. 6, 2024 and Aug. 21, 2024 (tested for alkalinity and pH). Lead testing results ranged from 0.04 ug/L to 0.7 ug/L.

Question ID	DWMR1104001	Question Type	Legislative
<b>Legislative Requirement(s):</b> 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);			
<b>Question:</b> Were immediate verbal notification requirements for adverse water quality incidents met?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Immediate verbal notification requirements for adverse water quality incidents were met.  MECP Spills Action Centre (SAC) and the Ministry of Health (MOH) received verbal notification on July 3, 2024. Verbal notification was completed immediately after the lab results were obtained by the operating authority.			

Question ID	DWMR1105001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   16-7   (1); SDWA   O. Reg. 170/03   16-7   (2); SDWA   O. Reg. 170/03   16-7   (3); SDWA   O. Reg. 170/03   16-7   (4); SDWA   O. Reg. 170/03   16-7   (5);			
<b>Question:</b> Were written notice requirements for adverse water quality incidents met?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Written notice requirements for adverse water quality incidents were met.  Written notification sent July 3, 2024 to awqi.reporting@ontario.ca; via Sandra REAUME			

Question ID	DWMR1106001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   16-9   (1); SDWA   O. Reg. 170/03   16-9   (2);			
<b>Question:</b> Were issue resolution notice requirements for adverse water quality incidents met?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Requirements for written notices of issue resolution for adverse water quality incidents were met.			

Issue resolution notice was given on July 8, 2024.

Question ID	DWMR1101001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   17-1; SDWA   O. Reg. 170/03   17-10   (1); SDWA   O. Reg. 170/03   17-11; SDWA   O. Reg. 170/03   17-12; SDWA   O. Reg. 170/03   17-13; SDWA   O. Reg. 170/03   17-14; SDWA   O. Reg. 170/03   17-2; SDWA   O. Reg. 170/03   17-3; SDWA   O. Reg. 170/03   17-4; SDWA   O. Reg. 170/03   17-5; SDWA   O. Reg. 170/03   17-6; SDWA   O. Reg. 170/03   17-9;			
<b>Question:</b> For large municipal residential systems, were corrective actions, including any steps directed by the Medical Officer of Health, taken to address adverse conditions?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Corrective actions were taken to address adverse conditions.  Resampling was completed as per the Medical Officer of Health direction on July 4 and 5, 2024 (upstream, downstream and source on both dates).			

Question ID	DWMR1110001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   11   (6);			
<b>Question:</b> Was the annual report prepared by February 28th of the following year and did it contain the required information?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The annual report requirements were met.			

Question ID	DWMR1056001	Question Type	Information
<b>Legislative Requirement(s):</b> Not Applicable			
<b>Question:</b> Did the donor provide an annual report to the owner of this receiver drinking water system?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The donor provided an annual report to the owner of the receiver drinking water system.			

<b>Question ID</b>	DWMR1111001	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</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>Question:</b> Did the summary report contain the required information and was it completed and distributed as required?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The summary report requirements were met.			

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

<b>Question ID</b>	DWMR1114001	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   31   (1);			
<b>Question:</b> 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?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The owner did not have evidence that the required notifications from the Municipal Drinking Water Licence and Drinking Water Works Permit to all legal owners associated with the drinking water system were made.  The operating authority was not able to provide evidence that, when required, all legal owners associated with the drinking water system were notified of the requirements of the MDWL and DWWP. During discussions with facility staff inspectors determined that the operating authority was not providing notification of the requirements of the Municipal Drinking Water Licence and the Drinking Water Works Permit. After the physical inspection and alerting the operations staff to the requirement of notification, the Municipality of Leamington will inform developers who are the legal owners of any part of the drinking water system of the			

requirements outlined in the DWWP and MDWL by providing copies of these documents on or before execution of the relevant development agreement.

<b>Question ID</b>	DWMR1098001	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   13   (1); SDWA   O. Reg. 170/03   13   (2); SDWA   O. Reg. 170/03   13   (3);			
<b>Question:</b> Were the required records kept for the periods prescribed by section 13 of O. Reg. 170/03?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The required records were kept for the prescribed periods.			

<b>Question ID</b>	DWMR1045001	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   31   (1);			
<b>Question:</b> 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?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The owner had up-to-date documents describing the distribution components.			

<b>Question ID</b>	DWMR1046001	<b>Question Type</b>	BMP
<b>Legislative Requirement(s):</b> Not Applicable			
<b>Question:</b> Was there a backflow prevention program, policy and/or bylaw in place that addressed cross connections and connections to high hazard facilities?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> There was a backflow prevention program, policy and/or bylaw in place.  The Municipality of Leamington's By-Law#281-01 is a by-law that provides for backflow prevention and to regulate water service connections to the municipal water system.			



<b>Question ID</b>	DWMR1053001	<b>Question Type</b>	BMP
<b>Legislative Requirement(s):</b> Not Applicable			
<b>Question:</b> Was the owner able to maintain proper pressures in the distribution system and was pressure monitored to alert the operator of conditions of loss of pressure below the value under which the system was designed to operate?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</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.  System operators state the systems pressure has been monitored and tested in response to concerns from the public and that the systems typical pressure is 60psi - 70psi.			

<b>Question ID</b>	DWMR1048001	<b>Question Type</b>	BMP
<b>Legislative Requirement(s):</b> Not Applicable			
<b>Question:</b> Had the owner implemented a program for the flushing of watermains as per industry standards?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The owner had implemented a program for the flushing of watermains.  The Leamington Water Services performs quarterly flushing of the watermains at the hydrants and sampling stations.			

<b>Question ID</b>	DWMR1050001	<b>Question Type</b>	BMP
<b>Legislative Requirement(s):</b> Not Applicable			
<b>Question:</b> Was there a program in place for inspecting and exercising valves?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> There was a program in place for inspecting and exercising valves.  All valves in the system are inspected and exercised annually.			

<b>Question ID</b>	DWMR1051001	<b>Question Type</b>	BMP
<b>Legislative Requirement(s):</b> Not Applicable			

<b>Question:</b> Was there a program in place for inspecting and operating hydrants?
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> There was a program in place for inspecting and operating hydrants.  All hydrants are inspected and operated annually. In addition, a full maintenance check of the hydrants are performed every 2 years.

<b>Question ID</b>	DWMR1052001	<b>Question Type</b>	BMP
<b>Legislative Requirement(s):</b> Not Applicable			
<b>Question:</b> Was there a bylaw or policy in place limiting access to hydrants?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> There was a bylaw or policy in place limiting access to hydrants.  The Municipality of Leamington doesn't have a by-law to regulate the operation of municipal fire hydrants however they have a policy that limits the operation of fire hydrants to municipal staff and fire fighters. Contractors must fill out the "Leamington Water Services Fire Hydrant Meter Connection Rental" Form when a connection is required. A municipal employee will install the flow meter unit at the hydrants at the beginning and end of each day that water is required.			

<b>Question ID</b>	DWMR1054001	<b>Question Type</b>	Information
<b>Legislative Requirement(s):</b> Not Applicable			
<b>Question:</b> Was an agreement in place that satisfied the requirements prescribed by subsection 5(4) of O. Reg. 170/03?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The agreement in place did not satisfy the requirements prescribed by subsection 5(4) of O. Reg. 170/03.  There are no current Section 5(4) agreements in place, but there is one currently being developed and should be ready later in 2025.			

<b>Question ID</b>	DWMR1058001	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 128/04   28;			
<b>Question:</b> Did operators and maintenance personnel have ready access to operations and maintenance			

manuals?
<p><b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Operators and maintenance personnel had ready access to operations and maintenance manuals.</p>

Question ID	DWMR1059001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 128/04   28;			
<b>Question:</b> Did the operations and maintenance manuals contain plans, drawings, and process descriptions sufficient for the safe and efficient operation of the system?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The operations and maintenance manuals contained plans, drawings, and process descriptions sufficient for the safe and efficient operation of the system.			

Question ID	DWMR1060001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   31   (1);			
<b>Question:</b> Did the operations and maintenance manual(s) meet the requirements of the Municipal Drinking Water Licence?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The operations and maintenance manual(s) met the requirements of the Municipal Drinking Water Licence.			

Question ID	DWMR1064001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 128/04   26   (2);			
<b>Question:</b> Did an operator-in-charge ensure that records were maintained of all adjustments to the processes within their responsibility?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The operator-in-charge ensured that records were maintained of all adjustments to the processes within their responsibility.			

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Question ID	DWMR1062001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   7-5;			
<b>Question:</b> 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?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> 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	DWMR1063001	Question Type	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 170/03   6-10   (1);			
<b>Question:</b> For every required operational test and sample, was a record made of the date, time, location, results, and name of the person conducting the test?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> For every required operational test and sample, a record was made as required.			

Question ID	DWMR1061001	Question Type	Legislative
<b>Legislative Requirement(s):</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>Question:</b> Were logbooks properly maintained and did they contain the required information?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Logbooks were properly maintained and contained the required information.			

<b>Question ID</b>	DWMR1065001	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 128/04   27   (6);			
<b>Question:</b> Were logs and other record keeping mechanisms available for at least five (5) years?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> Logs or other record keeping mechanisms were available for at least five (5) years.			

<b>Question ID</b>	DWMR1071001	<b>Question Type</b>	BMP
<b>Legislative Requirement(s):</b> Not Applicable			
<b>Question:</b> Did the owner provide security measures to protect components of the drinking water system?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The owner provided security measures to protect components of the drinking water system.  The inspector attended and observed a sample station at random within the distribution system, the sample stations were observed to be locked with a padlock for security. Sample station SS-L-05 was observed padlocked as part of the system inspection.			

<b>Question ID</b>	DWMR1072001	<b>Question Type</b>	BMP
<b>Legislative Requirement(s):</b> Not Applicable			
<b>Question:</b> Had the owner and/or operating authority undertaken efforts to promote water conservation and reduce water losses in the drinking water system?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> The owner and/or operating authority undertook efforts to promote water conservation and reduce water losses in their system.  The Municipality of Leamington's By-Law #426-03 regulates the use of water for the purposes of lawn watering. Water sprinkling restrictions are in effect from May 1st to September 30th. Residents occupying an even numbered address are to water on even numbered calendar days only. Residents with odd numbered addresses water on odd calendar days only. Residents are to water during the off-peak hours (5am to 8am and 6pm to 11:59pm).			

<b>Question ID</b>	DWMR1073001	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 128/04   23   (1);			
<b>Question:</b> Was an overall responsible operator designated for all subsystems which comprise the drinking water system?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> An overall responsible operator was designated for all subsystem.			

<b>Question ID</b>	DWMR1078001	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</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>Question:</b> When the overall responsible operator was unable to act, was a properly certified operator designated to act in their place?			
<b>Compliance Response(s)/Corrective Action(s)/Observation(s):</b> A properly certified operator was designated to act in place of the overall responsible operator.			

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

<b>Question ID</b>	DWMR1075001	<b>Question Type</b>	Legislative
<b>Legislative Requirement(s):</b> SDWA   O. Reg. 128/04   22;			
<b>Question:</b> Were all operators certified as required?			

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

All operators were certified as required.



**Stakeholder References**

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# 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](mailto:waterforms@ontario.ca).

For more information on Ontario's drinking water visit [www.ontario.ca/drinkingwater](http://www.ontario.ca/drinkingwater)



PUBLICATION TITLE	PUBLICATION NUMBER
<b>FORMS:</b> 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](mailto: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](http://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

**Ontario**



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

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**Inspection Rating Record and Inspection Risk Methodology**

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# APPLICATION OF THE RISK METHODOLOGY USED FOR MEASURING MUNICIPAL RESIDENTIAL DRINKING WATER SYSTEM INSPECTION RESULTS



The Ministry of the Environment (MOE) has a rigorous and comprehensive inspection program for municipal residential drinking water systems (MRDWS). Its objective is to determine the compliance of MRDWS with requirements under the Safe Drinking Water Act and associated regulations. It is the responsibility of the municipal residential drinking water system owner to ensure their drinking water systems are in compliance with all applicable legal requirements.

This document describes the risk rating methodology, which has been applied to the findings of the Ministry's MRDWS inspection results since fiscal

year 2008-09. The primary goals of this assessment are to encourage ongoing improvement of these systems and to establish a way to measure this progress.

MOE reviews the risk rating methodology every three years.

The Ministry's Municipal Residential Drinking Water Inspection Protocol contains up to 14 inspection modules and consists of approximately 120 regulatory questions. Those protocol questions are also linked to definitive guidance that ministry inspectors use when conducting MRDWS inspections.

[ontario.ca/drinkingwater](http://ontario.ca/drinkingwater)

The questions address a wide range of regulatory issues, from administrative procedures to drinking water quality monitoring. The inspection protocol also contains a number of non-regulatory questions.

A team of drinking water specialists in the ministry assessed each of the inspection protocol regulatory questions to determine the risk (not complying with the regulation) to the delivery of safe drinking water. This assessment was based on established provincial risk assessment principles, with each question receiving a risk rating referred to as the Question Risk Rating. Based on the number of areas where a system is deemed to be non-compliant during the inspection, and the significance of these areas to administrative, environmental, and health consequences, a risk-based inspection rating is calculated by the ministry for each drinking water system.

It is important to be aware that an inspection rating less than 100 per cent does not mean the drinking water from the system is unsafe. It shows areas where a system's operation can improve. The ministry works with owners and operators of systems to make sure they know what they need to do to achieve full compliance.

The inspection rating reflects the inspection results of the specific drinking water system for the reporting year. Since the methodology is applied consistently over a period of years, it serves as a comparative measure both provincially and in relation to the individual system. Both the drinking water system and the public are able to track the performance over time, which encourages continuous improvement and allows systems to identify specific areas requiring attention.

The ministry's annual inspection program is an important aspect of our drinking water safety net. The ministry and its partners share a common commitment to excellence and we continue to work toward the goal of 100 per cent regulatory compliance.

## Determining Potential to Compromise the Delivery of Safe Water

The risk management approach used for MRDWS is aligned with the Government of Ontario's Risk Management Framework. Risk management is a systematic approach to identifying potential hazards, understanding the likelihood and consequences of the hazards, and taking steps to reduce their risk if necessary and as appropriate.

The Risk Management Framework provides a formula to be used in the determination of risk:

$$\text{RISK} = \text{LIKELIHOOD} \times \text{CONSEQUENCE}$$

(of the consequence)

Every regulatory question in the inspection protocol possesses a likelihood value (L) for an assigned consequence value (C) as described in **Table 1** and **Table 2**.

TABLE 1:	
Likelihood of Consequence Occurring	Likelihood Value
0% - 0.99% (Possible but Highly Unlikely)	L = 0
1 - 10% (Unlikely)	L = 1
11 - 49% (Possible)	L = 2
50 - 89% (Likely)	L = 3
90 - 100% (Almost Certain)	L = 4

TABLE 2:	
Consequence	Consequence Value
Medium Administrative Consequence	C = 1
Major Administrative Consequence	C = 2
Minor Environmental Consequence	C = 3
Minor Health Consequence	C = 4
Medium Environmental Consequence	C = 5
Major Environmental Consequence	C = 6
Medium Health Consequence	C = 7
Major Health Consequence	C = 8

The consequence values (0 through 8) are selected to align with other risk-based programs and projects currently under development or in use within the ministry as outlined in **Table 2**.

The Question Risk Rating for each regulatory inspection question is derived from an evaluation of every identified consequence and its corresponding likelihood of occurrence:

- All levels of consequence are evaluated for their potential to occur
- Greatest of all the combinations is selected.

The Question Risk Rating quantifies the risk of non-compliance of each question relative to the others. Questions with higher values are those with a potentially more significant impact on drinking water safety and a higher likelihood of occurrence. The highest possible value would be 32 (4×8) and the lowest would be 0 (0×1).

**Table 3** presents a sample question showing the risk rating determination process.

TABLE 3:							
Does the Operator in Charge ensure that the equipment and processes are monitored, inspected and evaluated?							
Risk = Likelihood × Consequence							
C=1	C=2	C=3	C=4	C=5	C=6	C=7	C=8
<b>Medium</b> Administrative Consequence	<b>Major</b> Administrative Consequence	<b>Minor</b> Environmental Consequence	<b>Minor</b> Health Consequence	<b>Medium</b> Environmental Consequence	<b>Major</b> Environmental Consequence	<b>Medium</b> Health Consequence	<b>Major</b> Health Consequence
L=4 (Almost Certain)	L=1 (Unlikely)	L=2 (Possible)	L=3 (Likely)	L=3 (Likely)	L=1 (Unlikely)	L=3 (Likely)	L=2 (Possible)
<b>R=4</b>	<b>R=2</b>	<b>R=6</b>	<b>R=12</b>	<b>R=15</b>	<b>R=6</b>	<b>R=21</b>	<b>R=16</b>

## Application of the Methodology to Inspection Results

Based on the results of a MRDWS inspection, an overall inspection risk rating is calculated. During an inspection, inspectors answer the questions related to regulatory compliance and input their “yes”, “no” or “not applicable” responses into the Ministry’s Laboratory and Waterworks Inspection System (LWIS) database. A “no” response indicates non-compliance. The maximum number of regulatory questions asked by an inspector varies by: system (i.e., distribution, stand-alone); type of inspection (i.e., focused, detailed); and source type (i.e., groundwater, surface water).

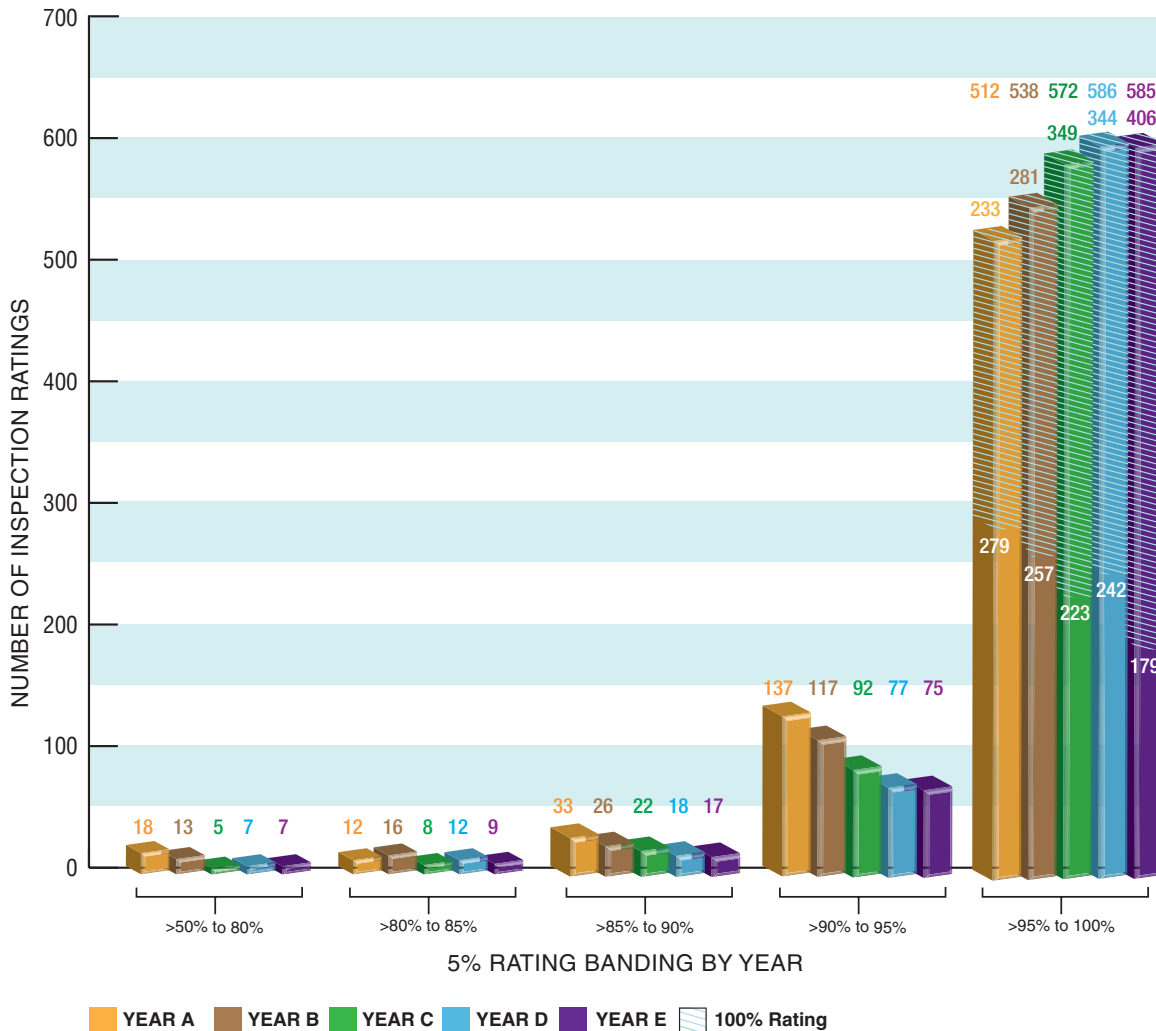
The risk ratings of all non-compliant answers are summed and divided by the sum of the risk ratings of all questions asked (maximum question rating). The resulting inspection risk rating (as a percentage) is subtracted from 100 per cent to arrive at the final inspection rating.

## Application of the Methodology for Public Reporting

The individual MRDWS Total Inspection Ratings are published with the ministry's Chief Drinking Water Inspector's Annual Report.

**Figure 1** presents the distribution of MRDWS ratings for a sample of annual inspections. Individual drinking water systems can compare against all the other inspected facilities over a period of inspection years.

**Figure 1: Year Over Year Distribution of MRDWS Ratings**



## Reporting Results to MRDWS Owners/Operators

A summary of inspection findings for each system is generated in the form of an Inspection Rating Record (IRR). The findings are grouped into the 14 possible modules of the inspection protocol,

which would provide the system owner/operator with information on the areas where they need to improve. The 14 modules are:

- |                         |                        |                                       |  |
|-------------------------|------------------------|---------------------------------------|--|
| 1. Source               | 5. Process Wastewater  | 9. Contingency and Emergency Planning | 12. Water Quality Monitoring                       |
| 2. Permit to Take Water | 6. Distribution System | 10. Consumer Relations                | 13. Reporting, Notification and Corrective Actions |
| 3. Capacity Assessment  | 7. Operations Manuals  | 11. Certification and Training        | 14. Other Inspection Findings                      |
| 4. Treatment Processes  | 8. Logbooks            |                                       |  |

For further information, please visit [www.ontario.ca/drinkingwater](http://www.ontario.ca/drinkingwater)

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

<b>DWS Name:</b>	LEAMINGTON DISTRIBUTION SYSTEM (UNION DS)
<b>DWS Number:</b>	220004992
<b>DWS Owner:</b>	CORPORATION OF THE MUNICIPALITY OF LEAMINGTON
<b>Municipal Location:</b>	LEAMINGTON
<b>Regulation:</b>	O.REG. 170/03
<b>DWS Category:</b>	DW Municipal Residential
<b>Type of Inspection:</b>	Detailed
<b>Compliance Assessment Start Date:</b>	Feb-7-2025
<b>Ministry Office:</b>	Windsor Area Office

**Maximum Risk Rating:** 333

Inspection Module	Non Compliance Risk (X out of Y)
Certification and Training	0/35
Distribution System	0/4
Logbooks	0/30
Operations Manuals	0/42
Reporting & Corrective Actions	4/71
Treatment Processes	0/80
Water Quality Monitoring	0/71
<b>Overall - Calculated</b>	<b>4/333</b>

**Inspection Risk Rating:** 1.20%

**Final Inspection Rating:** 98.80%



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

**DWS Name:** LEAMINGTON DISTRIBUTION SYSTEM (UNION DS)  
**DWS Number:** 220004992  
**DWS Owner Name:** CORPORATION OF THE MUNICIPALITY OF LEAMINGTON  
**Municipal Location:** LEAMINGTON

**Regulation:** O.REG. 170/03  
**DWS Category:** DW Municipal Residential  
**Type of Inspection:** Detailed  
**Compliance Assessment Start Date:** Feb-7-2025  
**Ministry Office:** Windsor Area Office

Non-Compliance Question(s)	Non Compliance Risk
<b>Reporting &amp; Corrective Actions</b>	
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?	4
<b>Overall - Total</b>	<b>4</b>

Maximum Question Rating: 333

**Inspection Risk Rating: 1.20%**

**FINAL INSPECTION RATING: 98.80%**