

Ministry of the
Environment,
Conservation
and Parks
Eastern Region
Peterborough
District Office
300 Water Street
2nd Floor, South
Tower
Peterborough ON
K9J 3C7

Ministère de
l'Environnement,
de la Protection de
la nature
Et des Parcs
Région de l'Est
Bureau du district de
Peterborough
300, rue Water
2^e étage, Tour Sud
Peterborough
(Ontario) K9J 3C7



June 17, 2024.

Mr. Mike Timmins,
Director Of Public Works,
The Corporation of The Township of Minden Hills
7 Milne St, Post Office Box Delivery ,359, Minden, ON,
K0M 2K0

RE: 2024/25 Minden Hills Drinking Water System Inspection Report 1-377373062

Please see the attached Ministry of the Environment, Conservation and Parks inspection report for the compliance inspection initiated on Minden Hills Drinking Water System on May 8, 2024.

A section of the report entitled **NON-COMPLIANCE** are typically linked to incidents of non-compliance with regulatory requirements contained within the Environmental Compliance Approval and its associated Acts and Regulations. It should be noted that were no violations identified during this inspection.

Another section of the report entitled **RECOMMENDATIONS** conveys information that the owner or operating authority should consider implementing to advance efforts already in place. Please note that items which appear as recommendations do not, in themselves, constitute violations.

Thank you for the assistance afforded to me during this compliance assessment. Please do not hesitate to call me at 705-768-9502 or Ms. Brittney Wielgos, Supervisor (A), Safe Drinking Water Branch (705) 768-0436 should you have any questions or concerns regarding the above.

Yours truly,

Corey Biswanger
Water Inspector
Peterborough District Office

Enclosure (1)

Cc: Jeremy Manning, Senior Operations Manager, Ontario Clean Water Agency (Kawartha)
Christine Craig, Process & Compliance Technician, Ontario Clean Water Agency (Kawartha)
Natalie Bocking, Medical Officer of Health, HKPR District Health Unit
Rhonda Bateman, CAO, Lower Trent Conservation



TABLE OF CONTENTS

1. Drinking Water System Owners Information
2. Drinking Water System Inspection Report

Appendix:

- A. Stakeholders Appendix**
- B. Inspection Rating Record**



MINDEN DRINKING WATER SYSTEM

Physical Address: 142 BOBCAYGEON RD, ,
MINDEN HILLS, ON K0M 2K0

INSPECTION REPORT

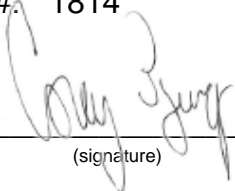
Entity: CORPORATION OF THE
TOWNSHIP OF MINDEN HILLS
ONTARIO CLEAN WATER
AGENCY

Inspection Start Date: May 03, 2024

Inspection End Date: May 29, 2024

Inspected By: Corey Biswanger

Badge #: 1814



(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 by The Corporation Of The Township Of Minden Hills and operated by Ontario Clean Water Agency Kawartha.

The system serves an estimated population of 2,300 and is categorized as a large municipal residential system. Information reviewed for this inspection covered the time period of April 26, 2023 to May 8, 2024.

Systems/Components

All locations associated with primary disinfection were visited as part of this inspection. The following sites were visited as part of the inspection of the drinking water system:

Water treatment pumphouse, elevated storage tank

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 license number: 246-101, Issue number: 5, Drinking water works permit number 246-201, Issue number: 3, Permit to take water number 5308-972L6Q and P-300-1204962529.

NON-COMPLIANCE

This should not be construed as a confirmation of full compliance with all potential applicable legal requirements. 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.

RECOMMENDATIONS

The following item(s) have been identified as non-conformance, based on a "No" response captured for a best management practice (BMP) 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 | Recommendation(s) |
|------|---|--|
| R-1 | <p>Question ID: DWMR1072001</p> <p>Had the owner and/or operating authority undertaken efforts to promote water conservation and reduce water losses in the drinking water system?</p> | The owner and/or operating authority did not undertake efforts to promote water conservation and/or reduce water losses in their system. |
| R-2 | <p>Question ID: DWMR1046001</p> <p>Was there a backflow prevention program, policy and/or bylaw in place that addressed cross connections and connections to high hazard facilities?</p> | There was no backflow prevention program, policy and/or bylaw in place. |
| R-3 | <p>Question ID: DWMR1052001</p> <p>Was there a bylaw or policy in place limiting access to hydrants?</p> | There was no bylaw or policy in place limiting access to hydrants. |

INSPECTION DETAILS

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

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

| Question ID | DWMR1007001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 170/03 1-2 (1)1; | | | |
| Question: Was the owner maintaining the production well(s) in a manner sufficient to prevent entry into the well of surface water and other foreign materials? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): The owner was maintaining the production well(s) in a manner sufficient to prevent entry into the well of surface water and other foreign materials. | | | |

| Question ID | DWMR1009001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA 31 (1); | | | |
| Question: Were measures in place to protect the groundwater and/or GUDI source in accordance with the Municipal Drinking Water Licence and Drinking Water Works Permit? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Measures were in place to protect the groundwater and/or GUDI source. This system is in a source water protection zone. Also, OCWA has a standard operating procedure for above and below grade inspections of the wells. | | | |

| Question ID | DWMR1008001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): OWRA R.R.O. 1990, Reg. 903 20 (1); OWRA R.R.O. 1990, Reg. 903 21 (3); | | | |
| Question: If there were municipal wells not being used as a raw water supply, was the owner maintaining the wells in a manner to prevent the entry of surface water and other foreign materials? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): The owner was maintaining the municipal wells not being used as a raw water supply. | | | |

It was observed that there is two monitoring wells on the property that are being maintained.

| Question ID | DWMR1010001 | Question Type | BMP |
|---|-------------|---------------|-----|
| Legislative Requirement(s): Not Applicable | | | |
| Question: Were trends in source water quality monitored? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Trends in source water quality were monitored. It was confirmed during the inspection that monthly turbidity tests are conducted for each well and monthly bacteriological samples are collected and analyzed every month as well. | | | |

| Question ID | DWMR1014001 | Question Type | Legislative |
|---|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA 31 (1); | | | |
| Question: Was flow monitoring performed as required by the Municipal Drinking Water Licence or Drinking Water Works Permit? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Flow monitoring was performed as required. | | | |

| Question ID | DWMR1015001 | Question Type | Legislative |
|---|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA 31 (1); | | | |
| Question: Were flow measuring devices calibrated or verified in accordance with the requirements of the Municipal Drinking Water Licence? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Flow measuring devices were calibrated or verified as required. | | | |

| Question ID | DWMR1016001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA 31 (1); | | | |

Question:

Was the owner in compliance with the conditions associated with maximum flow rate or the rated/operational capacity in the Municipal Drinking Water Licence?

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

The owner was in compliance with the conditions associated with maximum flow rate and/or the rated/operational capacity conditions.

Review of the records provided indicates that flows were well below the rated capacity of 1,953 m³/day.

| Question ID | DWMR1017001 | Question Type | Legislative |
|---|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA 31 (1); | | | |
| Question: Were appropriate records of flows and any capacity exceedances made in accordance with the Municipal Drinking Water Licence? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Appropriate records of flows and any capacity exceedances were made as required. It was confirmed that on June 7, 2023, records indicated that high flow rates were recorded and the log book indicates that flow meters were being calibrated that day and therefore is not an actual exceedance. | | | |

| Question ID | DWMR1013001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): OWRA 34 (3); | | | |
| Question: Was the owner in compliance with all conditions of the Permit To Take Water? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): The owner was in compliance with all conditions of the Permit To Take Water. | | | |

| Question ID | DWMR1018001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA 31 (1); | | | |
| Question: Did the owner ensure that equipment was installed in accordance with Schedule A and Schedule C of the Drinking Water Works Permit? | | | |

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

The owner ensured that equipment was installed as required.

| Question ID | DWMR1021001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA 31 (1); | | | |
| Question: Were Form 2 documents prepared as required? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Form 2 documents were prepared as required. It was confirmed during the inspection that there were Form 2s for the following; replacement of PLC SCADA system and replacement of chlorine analyzer. | | | |

| Question ID | DWMR1028001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA 31 (1); | | | |
| Question: 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? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Plans for the drinking water system were kept up-to-date and made available as required. | | | |

| Question ID | DWMR1023001 | Question Type | Legislative |
|---|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 170/03 1-2 (2); | | | |
| Question: Did records indicate that the treatment equipment was operated in a manner that achieved the design capabilities prescribed by O. Reg. 170/03, Drinking Water Works Permit and/or Municipal Drinking Water Licence at all times that water was being supplied to consumers? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Records indicated that the treatment equipment was operated in a manner that achieved the design capabilities prescribed. Records provided during the document review indicated that the Minden drinking water | | | |

system had been operated in a manner to meet the design capabilities required under Ontario Regulation 170/03. Records reviewed included raw water turbidities, chlorine residuals at the point where primary disinfection had been achieved, logbooks, certificates of analysis, secondary disinfection residuals, and operator certificates.

| Question ID | DWMR1027001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA 31 (1); | | | |
| Question: 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? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): The owner had evidence indicating that chemicals and materials that came in contact with water within the drinking water system met the applicable standards. | | | |

| Question ID | DWMR1024001 | Question Type | Legislative |
|---|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 170/03 1-2 (2); | | | |
| Question: Did records confirm that the water treatment equipment which provides chlorination or chloramination for secondary disinfection was operated as required? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Records confirmed that the water treatment equipment which provides chlorination or chloramination for secondary disinfection was operated as required. | | | |

| Question ID | DWMR1033001 | Question Type | Legislative |
|---|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 170/03 7-2 (3); SDWA O. Reg. 170/03 7-2 (4); | | | |
| Question: Was secondary disinfectant residual tested as required for the large municipal residential distribution system? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Secondary disinfectant residual was tested as required. | | | |

| Question ID | DWMR1049001 | Question Type | BMP |
|--|-------------|---------------|-----|
| Legislative Requirement(s): Not Applicable | | | |
| Question: Did records confirm that disinfectant residuals were routinely checked at the extremities and dead ends of the distribution system? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Records confirmed that disinfectant residuals were routinely checked at the extremities and dead ends of the distribution system. During the inspection it was confirmed that all dead ends are flushed at least twice per year and that a new sample tap is going to be added at the dead end on Highway 35. | | | |

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

| Question ID | DWMR1030001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 170/03 7-2 (1); SDWA O. Reg. 170/03 7-2 (2); | | | |
| Question: Was primary disinfection chlorine monitoring being conducted at a location approved by Municipal Drinking Water Licence and/or Drinking Water Works Permit or at/near a location where the intended CT had just been achieved? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Primary disinfection chlorine monitoring was conducted as required. It was confirmed during the inspection that the chlorine analyzer is at the end of the serpentine pipe. | | | |

| Question ID | DWMR1031001 | Question Type | BMP |
|--|-------------|---------------|-----|
| Legislative Requirement(s): Not Applicable | | | |

Question:

Were operators aware of the operational criteria necessary to achieve primary disinfection within the drinking water system?

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

Operators were aware of the operational criteria necessary to achieve primary disinfection within the drinking water system.

| Question ID | DWMR1035001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 170/03 6-5 (1)1-4; | | | |
| Question: Were operators examining continuous monitoring test results and did they examine the results within 72 hours of the test? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Operators were examining continuous monitoring test results as required. | | | |

| Question ID | DWMR1038001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 170/03 6-5 (1)1-4; | | | |
| Question: Was continuous monitoring equipment that was being utilized to fulfill O. Reg. 170/03 requirements performing tests for the parameters with at least the minimum frequency and recording data with the prescribed format? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Continuous monitoring equipment that was being utilized to fulfill O. Reg. 170/03 requirements was performing tests for the parameters with at least the minimum frequency and recording data with the prescribed format. It was confirmed during the inspection that the data is recorded once every minute. | | | |

| Question ID | DWMR1037001 | Question Type | Legislative |
|---|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 170/03 6-5 (1)5-10; SDWA O. Reg. 170/03 6-5 (1.1); | | | |
| Question: Were all continuous monitoring equipment utilized for sampling and testing required by O. Reg. 170/03, or Municipal Drinking Water Licence or Drinking Water Works Permit or order, equipped with alarms or shut-off mechanisms that satisfied the standards described in Schedule 6? | | | |

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

All required continuous monitoring equipment utilized for sampling and testing were equipped with alarms or shut-off mechanisms that satisfied the standards

It was confirmed during the inspection that the low low free chlorine residual alarm set point is 0.55 mg/L and the wells will lock out if the residual gets this low.

| Question ID | DWMR1040001 | Question Type | Legislative |
|---|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 170/03 6-5 (1)1-4; SDWA O. Reg. 170/03 6-5 (1)5-10; | | | |
| Question: Were all continuous analysers calibrated, maintained, and operated, in accordance with the manufacturer's instructions or the regulation? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): All continuous analysers were calibrated, maintained, and operated as required. | | | |

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

| Question ID | DWMR1079001 | Question Type | Legislative |
|---|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 170/03 10-4 (1); SDWA O. Reg. 170/03 10-4 (2); SDWA O. Reg. 170/03 10-4 (3); | | | |
| Question: Were raw water microbiological sampling requirements prescribed by Schedule 10-4 of O. Reg. 170/03 for large municipal residential systems met? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Raw water microbiological sampling requirements were met. | | | |

| Question ID | DWMR1083001 | Question Type | Legislative |
|---|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 170/03 10-3; | | | |
| Question: Were treated microbiological sampling requirements prescribed by Schedule 10-3 of O. Reg. 170/03 for large municipal residential systems met? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Treated microbiological sampling requirements were met. | | | |

| Question ID | DWMR1081001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| 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. | | | |

| Question ID | DWMR1096001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 170/03 6-3 (1); | | | |
| Question: Did records confirm that chlorine residual tests were conducted at the same time and location as microbiological samples? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Records confirmed that chlorine residual tests were conducted as required. | | | |

| Question ID | DWMR1084001 | Question Type | Legislative |
|---|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 170/03 13-2; | | | |
| Question: Were inorganic parameter sampling requirements prescribed by Schedule 13-2 of O. Reg. 170/03 met? | | | |

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

Inorganic parameter sampling requirements were met.

Records indicate that inorganics were last sampled for on January 5, 2023.

| Question ID | DWMR1085001 | Question Type | Legislative |
|---|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 170/03 13-4 (1); SDWA O. Reg. 170/03 13-4 (2); SDWA O. Reg. 170/03 13-4 (3); | | | |
| Question: Were organic parameter sampling requirements prescribed by Schedule 13-4 of O. Reg. 170/03 met? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Organic parameter sampling requirements were met. | | | |
| Records indicate that organics were last sampled for on January 5, 2023. | | | |

| Question ID | DWMR1086001 | Question Type | Legislative |
|---|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 170/03 13-6.1 (1); SDWA O. Reg. 170/03 13-6.1 (2); SDWA O. Reg. 170/03 13-6.1 (3); SDWA O. Reg. 170/03 13-6.1 (4); SDWA O. Reg. 170/03 13-6.1 (5); SDWA O. Reg. 170/03 13-6.1 (6); | | | |
| Question: Were haloacetic acid sampling requirements prescribed by Schedule 13-6 of O. Reg. 170/03 met? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Haloacetic acid sampling requirements were met. | | | |

| Question ID | DWMR1087001 | Question Type | Legislative |
|---|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 170/03 13-6 (1); SDWA O. Reg. 170/03 13-6 (2); SDWA O. Reg. 170/03 13-6 (3); SDWA O. Reg. 170/03 13-6 (4); SDWA O. Reg. 170/03 13-6 (5); SDWA O. Reg. 170/03 13-6 (6); | | | |
| Question: Were trihalomethane sampling requirements prescribed by Schedule 13-6 of O. Reg. 170/03 met? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Trihalomethane sampling requirements were met. | | | |

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

| Question ID | DWMR1089001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 170/03 13-8; | | | |
| Question: Were sodium sampling requirements prescribed by Schedule 13-8 of O. Reg. 170/03 met? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Sodium sampling requirements were met. | | | |

| Question ID | DWMR1090001 | Question Type | Legislative |
|---|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 170/03 13-9; | | | |
| Question: Where fluoridation is not practiced, were fluoride sampling requirements prescribed by Schedule 13-9 of O. Reg. 170/03 met? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Fluoride sampling requirements were met. | | | |

| Question ID | DWMR1092001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 170/03 6-2; | | | |
| Question: Were water samples taken at the prescribed location? | | | |

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

Water samples were taken at the prescribed location.

| Question ID | DWMR1095001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): | | | |
| 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); | | | |
| Question: | | | |
| Were lead sampling requirements prescribed by Schedule 15.1 of O. Reg. 170/03 met? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): | | | |
| Lead sampling requirements were met. | | | |

| Question ID | DWMR1097001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): | | | |
| SDWA O. Reg. 170/03 7-3 (1.1); | | | |
| Question: | | | |
| If the drinking water system obtained water from a ground water source, was turbidity tested at least once every month from each well that supplied water to the system? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): | | | |
| Turbidity was tested as required. | | | |

| Question ID | DWMR1110001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): | | | |
| SDWA O. Reg. 170/03 11 (6); | | | |
| Question: | | | |
| Was the annual report prepared by February 28th of the following year and did it contain the required information? | | | |

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

The annual report requirements were met.

Records indicate that the annual report was completed on February 27, 2024.

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

| Question ID | DWMR1114001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA 31 (1); | | | |
| Question: Did the owner have evidence that, when required, all legal owners associated with the drinking water system were notified of the requirements of the Municipal Drinking Water Licence and Drinking Water Works Permit? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): The owner had evidence that the required notifications were made. | | | |

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

| Question ID | DWMR1046001 | Question Type | BMP |
|---|-------------|---------------|-----|
| Legislative Requirement(s): Not Applicable | | | |
| Question: Was there a backflow prevention program, policy and/or bylaw in place that addressed cross connections and connections to high hazard facilities? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): There was no backflow prevention program, policy and/or bylaw in place. It is recommended that a backflow prevention program, policy and/or bylaw be put in place if the township identifies any high hazard facilities. | | | |

| Question ID | DWMR1053001 | Question Type | BMP |
|---|-------------|---------------|-----|
| Legislative Requirement(s): Not Applicable | | | |
| Question: 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? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): The owner was able to maintain proper pressures in the distribution system and pressure was monitored to alert the operator of conditions which may lead to loss of pressure below the value under which the system is designed to operate. | | | |

| Question ID | DWMR1047001 | Question Type | BMP |
|--|-------------|---------------|-----|
| Legislative Requirement(s): Not Applicable | | | |
| Question: Did 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? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): 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. | | | |

| Question ID | DWMR1048001 | Question Type | BMP |
|--|-------------|---------------|-----|
| Legislative Requirement(s): Not Applicable | | | |

Question:

Had the owner implemented a program for the flushing of watermain as per industry standards?

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

The owner had implemented a program for the flushing of watermain.

Flushing occurs in spring and fall each year.

| Question ID | DWMR1050001 | Question Type | BMP |
|---|-------------|---------------|-----|
| Legislative Requirement(s): Not Applicable | | | |
| Question: Was there a program in place for inspecting and exercising valves? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): There was a program in place for inspecting and exercising valves. Valve inspection/maintenance occurs along with the seasonal flushing. | | | |

| Question ID | DWMR1051000 | Question Type | BMP |
|--|-------------|---------------|-----|
| Legislative Requirement(s): Not Applicable | | | |
| Question: Is there a program in place for inspecting and operating hydrants? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): There was a program in place for inspecting and operating hydrants. Hydrant inspection/maintenance occurs along with the seasonal flushing. | | | |

| Question ID | DWMR1052001 | Question Type | BMP |
|--|-------------|---------------|-----|
| Legislative Requirement(s): Not Applicable | | | |
| Question: Was there a bylaw or policy in place limiting access to hydrants? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): There was no bylaw or policy in place limiting access to hydrants. | | | |

| Question ID | DWMR1058001 | Question Type | Legislative |
|---|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 128/04 28; | | | |
| Question: Did operators and maintenance personnel have ready access to operations and maintenance manuals? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Operators and maintenance personnel had ready access to operations and maintenance manuals. | | | |

| Question ID | DWMR1059001 | Question Type | Legislative |
|---|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 128/04 28; | | | |
| Question: Did the operations and maintenance manuals contain plans, drawings, and process descriptions sufficient for the safe and efficient operation of the system? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): 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 |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA 31 (1); | | | |
| Question: Did the operations and maintenance manual(s) meet the requirements of the Municipal Drinking Water Licence? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): The operations and maintenance manual(s) met the requirements of the Municipal Drinking Water Licence. | | | |

| Question ID | DWMR1064001 | Question Type | Legislative |
|---|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 128/04 26 (2); | | | |
| Question: Did an operator-in-charge ensure that records were maintained of all adjustments to the | | | |

processes within their responsibility?

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

The operator-in-charge ensured that records were maintained of all adjustments to the processes within their responsibility.

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

| Question ID | DWMR1063001 | Question Type | Legislative |
|---|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 170/03 6-10 (1); | | | |
| Question: 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? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): For every required operational test and sample, a record was made as required. | | | |

| Question ID | DWMR1061001 | Question Type | Legislative |
|---|-------------|---------------|-------------|
| Legislative Requirement(s): 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); | | | |
| Question: Were logbooks properly maintained and did they contain the required information? | | | |

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

Logbooks were properly maintained and contained the required information.

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

| Question ID | DWMR1066001 | Question Type | BMP |
|---|-------------|---------------|-----|
| Legislative Requirement(s): Not Applicable | | | |
| Question: Was spill containment provided for process chemicals and standby power generator fuel? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Spill containment was provided for process chemicals and/or standby power generator fuel. | | | |

| Question ID | DWMR1067001 | Question Type | BMP |
|---|-------------|---------------|-----|
| Legislative Requirement(s): Not Applicable | | | |
| Question: Were equipment and materials in place for the clean up of spills? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Equipment and materials were in place for the clean up of spills. | | | |

| Question ID | DWMR1068001 | Question Type | BMP |
|--|-------------|---------------|-----|
| Legislative Requirement(s): Not Applicable | | | |

Question:

If available, were standby power generators tested under normal load conditions?

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

Standby power generators were tested under normal load conditions.

| Question ID | DWMR1069001 | Question Type | BMP |
|--|-------------|---------------|-----|
| Legislative Requirement(s): Not Applicable | | | |
| Question: Were all storage facilities completely covered and secure? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Storage facilities were completely covered and secure. | | | |

| Question ID | DWMR1070001 | Question Type | BMP |
|--|-------------|---------------|-----|
| Legislative Requirement(s): Not Applicable | | | |
| Question: Were air vents and overflows associated with reservoirs and elevated storage structures equipped with screens? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): Air vents and overflows associated with reservoirs and elevated storage structures were equipped with screens. | | | |

| Question ID | DWMR1071001 | Question Type | BMP |
|---|-------------|---------------|-----|
| Legislative Requirement(s): Not Applicable | | | |
| Question: Did the owner provide security measures to protect components of the drinking water system? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): The owner provided security measures to protect components of the drinking water system. It was confirmed during the inspection that there is a security system for the WTP/tower and all doors are kept locked when no operator is on site. | | | |

| Question ID | DWMR1072001 | Question Type | BMP |
|--|-------------|---------------|-----|
| Legislative Requirement(s): Not Applicable | | | |
| Question: Had the owner and/or operating authority undertaken efforts to promote water conservation and reduce water losses in the drinking water system? | | | |
| Compliance Response(s)/Corrective Action(s)/Observation(s): The owner and/or operating authority did not undertake efforts to promote water conservation and/or reduce water losses in their system. It is recommended the that township implement a water conservation policy. | | | |

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

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

| Question ID | DWMR1074001 | Question Type | Legislative |
|--|-------------|---------------|-------------|
| Legislative Requirement(s): SDWA O. Reg. 128/04 25 (1); | | | |
| Question: Were operators-in-charge designated for all subsystems which comprise the drinking water | | | |

system?

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

Operators-in-charge were designated for all subsystems.

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

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



APPENDIX A

STAKEHOLDER APPENDIX

Key Reference and Guidance Material for Municipal Residential Drinking Water Systems

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

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

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



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

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

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



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

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



APPENDIX B
INSPECTION RATING RECORD

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. The questions address a wide range of regulatory issues, from administrative procedures

to drinking water quality monitoring. Additionally, the inspection protocol contains a number of non-regulatory questions.

A team of drinking water specialists in the ministry have 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 that is less than 100 per cent does not mean that the drinking water from the system is unsafe. It shows areas where a system’s operation can improve. To that end, 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:

RISK = LIKELIHOOD × 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 |
| Medium Administrative Consequence | Major Administrative Consequence | Minor Environmental Consequence | Minor Health Consequence | Medium Environmental Consequence | Major Environmental Consequence | Medium Health Consequence | Major 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) |
| R=4 | R=2 | R=6 | R=12 | R=15 | R=6 | R=21 | R=16 |

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 that relate to regulatory compliance and input their responses as “yes”, “no” or “not applicable” 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).

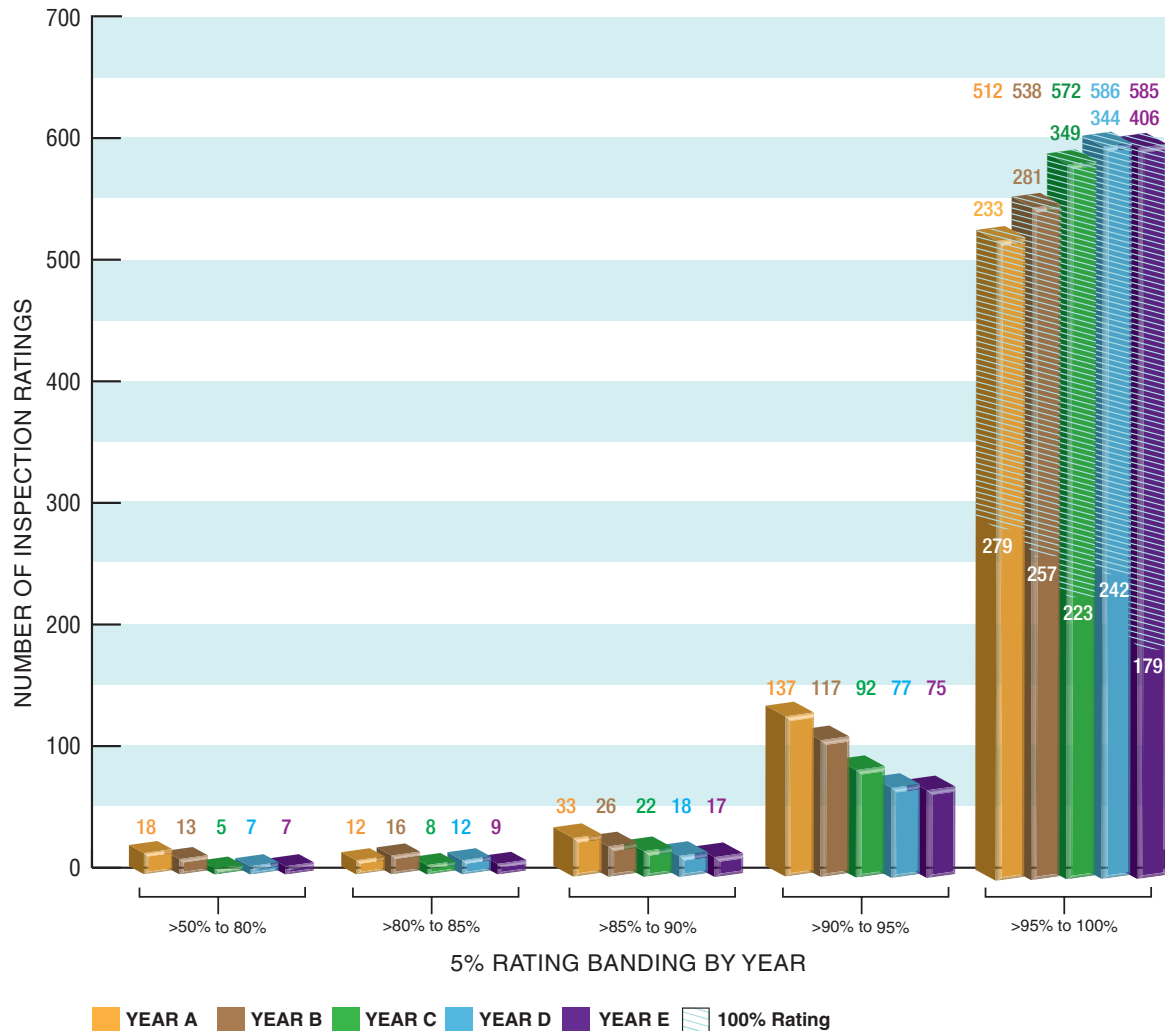
The risk ratings of all non-compliant answers are summed and divided by the sum of the risk ratings of all questions asked (maximum question rating). The resulting inspection risk rating (as a percentage) is subtracted from 100 per cent to arrive at the final inspection rating.

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

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

DWS Name: MINDEN DRINKING WATER SYSTEM

DWS Number: 210000194

DWS Owner: CORPORATION OF THE TOWNSHIP OF MINDEN HILLS

Municipal Location: MINDEN HILLS

Regulation: O.REG.170/03

DWS Category: DW Municipal Residential

Type of Inspection: Detailed

Compliance Assessment Start Date: May-3-2024

Ministry Office: Peterborough District Office

Maximum Risk Rating: 549

| Inspection Module | Non Compliance Risk (X out of Y) |
|--------------------------------|----------------------------------|
| Capacity Assessment | 0/42 |
| Certification and Training | 0/49 |
| Logbooks | 0/30 |
| Operations Manuals | 0/42 |
| Reporting & Corrective Actions | 0/12 |
| Source | 0/38 |
| Treatment Processes | 0/192 |
| Water Quality Monitoring | 0/144 |
| Overall - Calculated | 0/549 |

| | |
|--------------------------------|--------------|
| Inspection Risk Rating: | 0.00% |
|--------------------------------|--------------|

| | |
|---------------------------------|----------------|
| Final Inspection Rating: | 100.00% |
|---------------------------------|----------------|

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

DWS Name: MINDEN DRINKING WATER SYSTEM
DWS Number: 210000194
DWS Owner Name: CORPORATION OF THE TOWNSHIP OF MINDEN HILLS
Municipal Location: MINDEN HILLS

Regulation: O.REG. 170/03
DWS Category: DW Municipal Residential
Type of Inspection: Detailed
Compliance Assessment Start Date: May-3-2024
Ministry Office: Peterborough District Office

All legislative requirements were met. No detailed rating scores.

Maximum Question Rating: 549

| | |
|--------------------------------|--------------|
| Inspection Risk Rating: | 0.00% |
|--------------------------------|--------------|

| | |
|---------------------------------|----------------|
| FINAL INSPECTION RATING: | 100.00% |
|---------------------------------|----------------|