

**Ministry of the Environment  
and Climate Change**

**Ministère de l'Environnement et  
de l'Action en matière de  
changement climatique**

Safe Drinking Water  
Branch

Direction du contrôle de la qualité de  
l'eau potable

Owen Sound District Office  
101 17<sup>th</sup> St. E, 3<sup>rd</sup> Floor  
Owen Sound ON N4K 0A5

Bureau du district de Owen Sound  
101, 17<sup>e</sup> rue Est, 3<sup>e</sup> étage  
Owen Sound ON N4K 0A5



September 8, 2017

**The Corporation of the Town of South Bruce Peninsula  
315 George St., P.O. Box 310  
Warton, Ontario  
N0H 2T0**

Attention: Andrew Sprunt, Manager of Public Works

Re: 2017/2018 Inspection Report 1-F6FYM  
Foreman Drinking Water System  
Drinking Water Licence # 094-104  
Drinking Water Works Permit 094-204, Issue # 2

The enclosed report documents findings of the inspection that was performed on July 26, 2017.

Two sections of the report, namely "Actions Required" and "Recommended Actions", specify due dates for the submission of information or plans to my attention.

Please note that "Actions Required" are linked to incidents of non-compliance with regulatory requirements contained within an Act, a Regulation, or site-specific approvals, orders or instructions; "Recommended Actions" convey information that the owner or operating authority should consider implementing in order to conform with existing and emerging industry standards.

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

I would like to remind you that Section 19 of the Safe Drinking Water Act, 2002 (Standard of Care) creates a number of obligations for individuals who exercise decision-making authority over municipal drinking water systems, including members of municipal councils. "Taking Care of Your Drinking Water: A guide for members of municipal council", a publication found on the [Drinking Water Ontario website](http://www.ontario.ca/environment-and-energy/municipal-drinking-water-systems-licencing-registration-and-permits) (<http://www.ontario.ca/environment-and-energy/municipal-drinking-water-systems-licencing-registration-and-permits>), provides further information about these obligations.

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

Yours truly,

Shayne Finlay  
Provincial Officer  
Water Inspector  
519-376-2024 / Cell 519-270-8955  
Fax 519-371-2905  
[shayne.finlay@ontario.ca](mailto:shayne.finlay@ontario.ca)

ec:     - John Ritchie, Water Compliance Supervisor, MOECC  
          - Leo Paul Frigault, Operations Manager, OCWA  
          - Dr. Christine Kennedy, Medical Officer of Health, Grey-Bruce Health Unit  
          - John Bittorf, Water Resources Coordinator, Grey Sauble Conservation Authority

c:       File SI BR SB FO 540



**Ministry of the Environment and Climate Change**

**FOREMAN DRINKING WATER SYSTEM  
Inspection Report**

|                            |               |
|----------------------------|---------------|
| <b>Site Number:</b>        | 220007711     |
| <b>Inspection Number:</b>  | 1-F6FYM       |
| <b>Date of Inspection:</b> | Jul 26, 2017  |
| <b>Inspected By:</b>       | Shayne Finlay |

**OWNER INFORMATION:**

|                       |   |                         |         |
|-----------------------|---|-------------------------|---------|
| <b>Company Name:</b>  | SOUTH BRUCE PENINSULA, THE CORPORATION OF THE TOWN OF |                         |         |
| <b>Street Number:</b> | 315   | <b>Unit Identifier:</b> | Box 310 |
| <b>Street Name:</b>   | GEORGE St   |                         |         |
| <b>City:</b>          | WIARTON   |                         |         |
| <b>Province:</b>      | ON  | <b>Postal Code:</b>     | N0H 2T0 |

**CONTACT INFORMATION**

|               |  |              |                   |
|---------------|--|--------------|-------------------|
| <b>Type:</b>  | Operating Authority                            | <b>Name:</b> | Leo-Paul Frigault |
| <b>Phone:</b> | (519) 534-1600                                 | <b>Fax:</b>  |                   |
| <b>Email:</b> | lfrigault@ocwa.com                             |              |                   |
| <b>Title:</b> | OCWA - Operations Manager, West Highlands Hub. |              |                   |
| <b>Type:</b>  | Owner  | <b>Name:</b> | Andrew Sprunt     |
| <b>Phone:</b> | (519) 534-1400                                 | <b>Fax:</b>  | (519) 534-4976    |
| <b>Email:</b> | tsbppwmanager@bmts.com                         |              |                   |
| <b>Title:</b> | Public Works Manager.                          |              |                   |

**INSPECTION DETAILS:**

|                                     |                                    |
|-------------------------------------|------------------------------------|
| <b>Site Name:</b>                   | FOREMAN DRINKING WATER SYSTEM      |
| <b>Site Address:</b>                | 50 FOREMAN DR ALLENFORD ON N0H 1A0 |
| <b>County/District:</b>             | The South Bruce Peninsula          |
| <b>MOECC District/Area Office:</b>  | Owen Sound Area Office             |
| <b>Health Unit:</b>                 | GREY BRUCE HEALTH UNIT             |
| <b>Conservation Authority:</b>      | Grey Sauble Conservation Authority |
| <b>MNR Office:</b>                  | Owen Sound Regional Office         |
| <b>Category:</b>                    | Small Municipal Residential        |
| <b>Site Number:</b>                 | 220007711                          |
| <b>Inspection Type:</b>             | Announced                          |
| <b>Inspection Number:</b>           | 1-F6FYM                            |
| <b>Date of Inspection:</b>          | Jul 26, 2017                       |
| <b>Date of Previous Inspection:</b> | Nov 28, 2016                       |

**COMPONENTS DESCRIPTION**

|                     |                     |                  |       |
|---------------------|---------------------|------------------|-------|
| <b>Site (Name):</b> | MOE DWS Mapping     | <b>Sub Type:</b> |       |
| <b>Type:</b>        | DWS Mapping Point   |                  |       |
| <b>Site (Name):</b> | Distribution System | <b>Sub Type:</b> | Other |
| <b>Type:</b>        | Other               |                  |       |
| <b>Comments:</b>    |                     |                  |       |

The distribution system was constructed in 1973 and is located along the north-east side of Chesley Lake in the Town of South Bruce Peninsula (formerly Township of Amabel). Flush lines and sampling taps are found at both ends of the distribution line. There are 17 residential service connections served by the Foreman drinking water system. The majority of residents are seasonal.

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**Site (Name):** Pumphouse**Type:** Treated Water POE**Sub Type:** Pumphouse**Comments:**

Treatment for the Foreman drinking water system includes: iron and manganese removal (potassium permanganate with greensand filtration), cartridge filtration (1 micron), UV disinfection and chlorination (sodium hypochlorite).

As per CT calculation supplied by the OA dated 10/24/2011.

According to the Procedure for Disinfecting Drinking Water in Ontario for a 4 log (99.99%) Inactivation of Viruses by Free Chlorine with a Raw Water temperature of 5 degrees Celsius, with a pH between 6 – 9 the required CT value = 8

Clearwell capacity = 86 m<sup>3</sup>

Auto shutdown of Highlift pump = 60%

Baffle ratio = 0.1

Flow rate = 1.9 L/sec. (0.114 m<sup>3</sup>/min)

Effective Contact time =  $(86 \times 0.6 \times 0.1) / 0.114$

Effective Contact Time =  $5.16 / 0.114 = 45.26$  min

CT (required) = Disinfection Residual Concentration (mg/L) x Effective contact time (min)

Thus the minimum disinfection residual can be calculated using the following formula:

Minimum Disinfection Residual (mg/L) = CT (required) / Effective contact time (min)

Minimum Disinfection Residual (mg/L) =  $8 / 45.26 = 0.177$

A minimum Free Chlorine Concentration of 0.18 mg/L is required to meet primary disinfection with a minimum clearwell volume of 51.6 m<sup>3</sup> (60%).

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**Site (Name):** Well**Type:** Source**Sub Type:** GUDI**Comments:**

The well serving the Foreman drinking water system is drilled to a depth of 73 metres and has a 125 mm diameter casing. The well pump is a submersible pump with a nominal rating of 1.9 L/s at a TDH (total dynamic head) of 92 metres. It is operated in a pressure range of 40 - 60 PSI and has a 50 mm diameter discharge line. The well is supplied by a source that is considered GUDI.

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## INSPECTION SUMMARY:

### Introduction

- The primary focus of this inspection is to confirm compliance with Ministry of the Environment and Climate Change (MOECC) legislation as well as evaluating conformance with ministry drinking water related policies and guidelines during the inspection period. The ministry utilizes a comprehensive, multi-barrier approach in the inspection of water systems that focuses on the source, treatment and distribution components as well as management practices.

This drinking water system is subject to the legislative requirements of the Safe Drinking Water Act, 2002 (SDWA) and regulations made therein, including Ontario Regulation 170/03, "Drinking Water Systems" (O.Reg. 170/03). This inspection has been conducted pursuant to Section 81 of the SDWA.

This report is based on a "focused" inspection of the system. Although the inspection involved fewer activities than those normally undertaken in a detailed inspection, it contained critical elements required to assess key compliance issues. This system was chosen for a focused inspection because the system's performance met the ministry's criteria, most importantly that there were no deficiencies as identified in O.Reg. 172/03 over the past 3 years. The undertaking of a focused inspection at this drinking water system does not ensure that a similar type of inspection will be conducted at any point in the future.

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.

On July 26, 2017 Provincial Officer Shayne Finlay began conducting the inspection of the Foreman Well Supply located in the municipality of South Bruce Peninsula. The system is operated by OCWA. This year's inspection cycle covers the period of November 28, 2016 - July 26, 2017.

### Source

- 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.

The well serving the Foreman drinking water system is drilled to a depth of 73 meters and has a 125 mm diameter casing and is considered ground water under the direct influence of surface water (GUDI). The well casing is sealed with a proper vermin-proof cap and now has a pitless adapter. The well casing is extended at least 40 cm above ground and surface drainage does not collect or pond in the vicinity of the well due to mounding around well casings. The well was located in a residential neighborhood with septic systems. Failing septic systems could pose a risk to the groundwater quality.

- Measures were in place to protect the groundwater and/or GUDI source in accordance with any the Municipal Drinking Water Licence and Drinking Water Works Permit issued under Part V of the SDWA.

### Capacity Assessment

- There was sufficient monitoring of flow as required by the Municipal Drinking Water Licence or Drinking Water Works Permit issued under Part V of the SDWA.

Flow meters are installed downstream of each raw water source and at the point of entry into the distribution system. The flow meters were calibrated May 9, 2017.

### Capacity Assessment

- **The owner was in compliance with the conditions associated with maximum flow rate or the rated capacity conditions in the Municipal Drinking Water Licence issued under Part V of the SDWA.**

The system has a Permit to take water (PTTW) NUMBER 7384-86RQRP which expires June 25, 2025 which has one well source listed in the Permit.

Under PTTW 7384-86RQRP the allowable water takings are listed as:

Foreman Pumphouse 114 liters per minute, 163 440 liters per day

Municipal Drinking Water Licence 094-104 states the rated capacity for a maximum flow into the treatment system of 165,000 litres/day.

Records show the water takings and the rated capacities were not exceeded during the inspection period.

### Treatment Processes

- **The owner had ensured that all equipment was installed in accordance with Schedule A and Schedule C of the Drinking Water Works Permit.**
- **Records indicated that the treatment equipment was operated in a manner that achieved the design capabilities required under Ontario Regulation 170/03 or a Drinking Water Works Permit and/or Municipal Drinking Water Licence issued under Part V of the SDWA at all times that water was being supplied to consumers.**

Records reviewed indicate that the Foreman WS was operated to achieve the necessary CT requirements and UV performance criteria for primary disinfection during the inspection cycle. Further details about the CT calculation provided by OCWA dated October 24, 2011 can be found in the components section of the report.

- **Records confirmed that the water treatment equipment which provides chlorination or chloramination for secondary disinfection purposes was operated so that at all times and all locations in the distribution system the chlorine residual was never less than 0.05 mg/l free or 0.25 mg/l combined.**

Free available chlorine residual is maintained out the clearwell and into the distribution system for secondary disinfection purposes to reduce the potential for microbial re-growth within the distribution system, and in accordance with section 1- 2(2)4 of Schedule 1, O.Reg.170/03.

- **The primary disinfection equipment was equipped with alarms or shut-off mechanisms that satisfied the standards described in Section 1-6 (1) of Schedule 1 of Ontario Regulation 170/03.**

The drinking water system has both UV and chlorination as primary disinfection. Both types of primary treatment have alarms and lockouts. All alarms or lockouts are documented on the SCADA system and in logbooks. When critical alarm values have been triggered well pumps are shut down so improperly disinfected water isn't directed into the clear well.

### Treatment Process Monitoring

- **Primary disinfection chlorine monitoring was conducted at a location approved by Municipal Drinking Water Licence and/or Drinking Water Works Permit issued under Part V of the SDWA, or at/near a location where the intended CT has just been achieved.**
- **Continuous monitoring of each filter effluent line was being performed for turbidity.**

For small municipal residential systems that use surface water or GUDI as the source and are required to provide filtration, Reg.170/03, Schedule 7 section 7(3)(2) requires continuous monitoring equipment of each filter effluent line. The water system has two (2) Meyers iron and manganese filters

### Treatment Process Monitoring

which are continuously regenerated with Potassium Permanganate (one duty and one standby), one (1) cartridge filter housing, pre-treatment for the ultraviolet disinfection system, with 1 micron cartridge filters. Continuous monitoring of turbidity is measured via one analyzer located downstream of the cartridge filters and UV units.

- **The secondary disinfectant residual was measured as required for the distribution system.**

Subsection 7-2 (5) of schedule 7, O.Reg.170/03 the owner of a small municipal residential system that provides secondary disinfection and the operating authority for the system shall ensure that at least two distribution samples are taken each week in accordance with subsection (6) and are tested immediately for, (a) free chlorine residual. Records provided by the owner and reviewed during the inspection indicate that the owner complied with these requirements, testing free chlorine residual for secondary disinfection monitoring purposes 2 days each week and at least 48 hours apart.

- **Operators were examining continuous monitoring test results and they were examining the results within 72 hours of the test.**

The operators review the daily SCADA system at least every 72 hours. The operator conducting the review signs and dates the daily SCADA report.

- **All continuous monitoring equipment utilized for sampling and testing required by O. Reg.170/03, or Municipal Drinking Water Licence or Drinking Water Works Permit or order, were equipped with alarms or shut-off mechanisms that satisfy the standards described in Schedule 6.**

The water treatment plant is equipped with continuous analyzers and alarms for free chlorine and turbidity. The low alarm set point for the treated water chlorine analyzer is 0.20 mg/L. When reached the system locks out ensuring the system meets their CT requirements. The turbidity analyzer set point downstream of the filters is 0.30 NTU. Should 0.60 NTU be reached the system alarm sequence is triggered and the filters are locked out, ceasing water production and preventing any adverse conditions.

- **Continuous monitoring equipment that was being utilized to fulfill O. Reg. 170/03 requirements was performing tests for the parameters with at least the minimum frequency specified in the Table in Schedule 6 of O. Reg. 170/03 and recording data with the prescribed format.**

- **All continuous analysers were calibrated, maintained, and operated, in accordance with the manufacturer's instructions or the regulation.**

Routine analyzer maintenance, accuracy verification checks and calibrations are conducted by the operator which are recorded in plant logs and daily SCADA reports.

### Operations Manuals

- **The operations and maintenance manuals contained plans, drawings and process descriptions sufficient for the safe and efficient operation of the system.**

- **The operations and maintenance manuals met the requirements of the Drinking Water Works Permit and Municipal Drinking Water Licence issued under Part V of the SDWA.**

Condition 16, Schedule B of the Licence # 094-104 prescribes that an up-to-date operations and maintenance manual or manuals is maintained and applicable parts of the manual or manuals are made available for reference by all persons responsible for all or part of the operation or maintenance of the drinking water system; this requirement has been met. It's noted that the owner will be receiving



### Operations Manuals

a new municipal licence and drinking water works permit in the fall 2017. The OA is reminded to keep the manuals updated including contact lists, CT calculations, AWWA standards and have the most recent licences and water works permits included in the manual.

### Logbooks

- **Records or other record keeping mechanisms confirmed that operational testing not performed by continuous monitoring equipment was being done by a certified operator, water quality analyst, or person who suffices the requirements of O. Reg. 170/03 7-5.**

### Security

- **The owner had provided security measures to protect components of the drinking water system.**

### Certification and Training

- **The overall responsible operator had been designated for each subsystem.**  
James Learn is the designated overall responsible operator for the Foreman drinking water system.
- **Operators in charge had been designated for all subsystems which comprised the drinking-water system.**
- **All operators possessed the required certification.**
- **Only certified operators made adjustments to the treatment equipment.**

### Water Quality Monitoring

- **All microbiological water quality monitoring requirements for distribution samples prescribed by legislation were being met.**

For SMR DWS, distribution bacteriological samples shall be taken:

1) once every 2 weeks provided that the system is in compliance with Schedule 1 of O. Reg.170/03, or

2) one sample every week if the system does not meet the requirements of Schedule 1 of O. Reg.170/03.

Each sample must be tested for EC + TC and, if secondary disinfection is provided, must also be tested for HPC; these requirements have been met.

- **All inorganic water quality monitoring requirements prescribed by legislation were conducted within the required frequency.**

Sampling and testing for inorganic parameters has been conducted for the drinking water system in accordance with Schedule 13-2 of Ontario Regulation 170/03. The regulation requires that samples are to be collected every 60 months and tested for each parameter listed in Schedule 23; this requirement has been met. The most recent samples were collected on January 10, 2016 and there were no concerns identified from the results.

- **All organic water quality monitoring requirements prescribed by legislation were conducted within the required frequency.**

Sampling and testing for organic parameters has been conducted for the drinking water system in accordance with Schedule 13-4 of Ontario Regulation 170/03. The regulation requires that samples

### Water Quality Monitoring

are to be collected every 60 months and tested for each parameter listed in Schedule 24; this requirement has been met. The most recent samples were collected on January 10, 2016 and there were no concerns identified from the results.

- **All haloacetic acid water quality monitoring requirements prescribed by legislation are being conducted within the required frequency and at the required location.**

Section 13-6.1 of Schedule 13, O.Reg.170/03 requires the Owner and Operating authority to ensure that at least one water sample is taken every three months and tested for nitrates and nitrites. Section 6-1.1 of Schedule 6, O.Reg.170/03 requires that these samples be taken at least 60 days, and not more than 120 days, after a sample was taken for that purpose in the previous three month period. The OA complied with these requirements when they conducted the required monitoring on January 9, 2017, April 4, 2017, and July 10, 2017. Of note the standard for Haloacetic Acids does not come into effect until January 1, 2020. It will be expressed as a Running Annual Average (RAA), where the RAA is defined as the average for quarterly HAA results for a drinking water system.

- **All trihalomethane water quality monitoring requirements prescribed by legislation were conducted within the required frequency and at the required location.**

Section 13-6 of Schedule 13, O.Reg.170/03 requires the Owner and the Operating Authority to ensure that at least one distribution sample is taken every 3 months from a point in the drinking water system's distribution system, or in plumbing that is connected to the drinking water system, that is likely to have an elevated potential for the formation of Trihalomethanes (THMs), and tested for THMs. Section 6-1.1 of Schedule 6, Reg.170/03 requires that these samples be taken at least 60 days, and not more than 120 days, after a sample was taken for that purpose in the previous three month period. Sampling occurred January 9, 2017, April 4, 2017 and July 10, 2017. The running annual average of samples collected is 6.4 ug/L.

- **All nitrate/nitrite water quality monitoring requirements prescribed by legislation were conducted within the required frequency for the DWS.**

Section 13-7 of Schedule 13, O.Reg.170/03 requires the Owner and Operating authority to ensure that at least one water sample is taken every three months and tested for nitrates and nitrites. Section 6-1.1 of Schedule 6, O.Reg.170/03 requires that these samples be taken at least 60 days, and not more than 120 days, after a sample was taken for that purpose in the previous three month period. The Owner complied with these requirements when they conducted the required monitoring on January 9, 2017, April 4, 2017 and July 10, 2017. There were no concerns identified with the sample results.

- **All sodium water quality monitoring requirements prescribed by legislation were conducted within the required frequency.**

Section 13-8 of Schedule 13, O.Reg.170/03 requires that the Owner and the Operating Authority ensure that a treated water sample is taken every 60 months and is tested for sodium. Records provided by the Owner and reviewed during the inspection, indicate that the Owner conducted sampling for sodium on January 9, 2017 with a result of 16.2 mg/L.

- **The required daily samples were being taken at the end of the fluoridation process.**

Section 13-9 of Schedule 13, O.Reg.170/03 requires the Owner and the Operating Authority to ensure that at least one water sample is taken every 60 months and tested for Fluoride. The Owner last conducted Fluoride sampling on January 9, 2017 and achieved a result of 1.30 mg/L.

- **All water quality monitoring requirements imposed by the Municipal Drinking Water Licence and Drinking Water Works Permit were being met.**

The Municipal Drinking Water Licence that came into effect on March 30, 2010 requires quarterly

### Water Quality Monitoring

testing of suspended solids at the point of discharge from the filter backwash tank. The OA samples TSS once per month. The PTTW requires that static water levels be measured and recorded monthly in each production well. Static well depths are continuously monitored. These requirements have been met.

- **Records confirmed that chlorine residual tests were being conducted at the same time and at the same location that microbiological samples were obtained.**

### Water Quality Assessment

- **Records showed that all water sample results taken during the inspection review period did not exceed the values of tables 1, 2 and 3 of the Ontario Drinking Water Quality Standards (O.Reg. 169/03).**

### Reporting & Corrective Actions

- **Where required continuous monitoring equipment used for the monitoring of chlorine residual and/or turbidity triggered an alarm or an automatic shut-off, a qualified person responded in a timely manner and took appropriate actions.**
- **When the primary disinfection equipment, other than that used for chlorination or chloramination, has failed causing an alarm to sound or an automatic shut-off to occur, a certified operator responded in a timely manner and took appropriate actions.**

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## NON-COMPLIANCE WITH REGULATORY REQUIREMENTS AND ACTIONS REQUIRED

This section provides a summary of all non-compliance with regulatory requirements identified during the inspection period, as well as actions required to address these issues. Further details pertaining to these items can be found in the body of the inspection report.

**Not Applicable**

## **SUMMARY OF RECOMMENDATIONS AND BEST PRACTICE ISSUES**

This section provides a summary of all recommendations and best practice issues identified during the inspection period. Details pertaining to these items can be found in the body of the inspection report. In the interest of continuous improvement in the interim, it is recommended that owners and operators develop an awareness of the following issues and consider measures to address them.

**Not Applicable**

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**SIGNATURES**

Inspected By:

Shayne Finlay

Signature: (Provincial Officer)

Reviewed &amp; Approved By:

John Ritchie

Signature: (Supervisor)

Review &amp; Approval Date: 11/09/2017

Note: This inspection does not in any way suggest that there is or has been compliance with applicable legislation and regulations as they apply or may apply to this facility. It is, and remains, the responsibility of the owner and/or operating authority to ensure compliance with all applicable legislative and regulatory requirements.



**Ontario**

**Ministry of the Environment and Climate Change  
Drinking Water Inspection Report**

## **APPENDIX A**

### **INSPECTION SUMMARY RATING RECORD**

Ministry of the Environment - Inspection Summary Rating Record (Reporting Year - 2017-2018)

|   |
|---|
| <b>DWS Name:</b> FOREMAN DRINKING WATER SYSTEM                          |
| <b>DWS Number:</b> 220007711  |
| <b>DWS Owner:</b> South Bruce Peninsula, The Corporation Of The Town Of |
| <b>Municipal Location:</b> The South Bruce Peninsula                    |

**Regulation:** O.REG 170/03  
**Category:** Small Municipal Residential System  
**Type Of Inspection:** Focused  
**Inspection Date:** July 18, 2017  
**Ministry Office:** Owen Sound District Office

**Maximum Question Rating:** 497

| Inspection Module              | Non-Compliance Rating |
|--------------------------------|-----------------------|
| Source                         | 0 / 28                |
| Capacity Assessment            | 0 / 30                |
| Treatment Processes            | 0 / 77                |
| Operations Manuals             | 0 / 28                |
| Logbooks                       | 0 / 14                |
| Certification and Training     | 0 / 42                |
| Water Quality Monitoring       | 0 / 103               |
| Reporting & Corrective Actions | 0 / 42                |
| Treatment Process Monitoring   | 0 / 133               |
| <b>TOTAL</b>                   | <b>0 / 497</b>        |

|                               |              |
|-------------------------------|--------------|
| <b>Inspection Risk Rating</b> | <b>0.00%</b> |
|-------------------------------|--------------|

|                                 |                |
|---------------------------------|----------------|
| <b>FINAL INSPECTION RATING:</b> | <b>100.00%</b> |
|---------------------------------|----------------|



Ministry of the Environment - Detailed Inspection Rating Record (Reporting Year - 2017-2018)

**DWS Name:** FOREMAN DRINKING WATER SYSTEM  
**DWS Number:** 220007711  
**DWS Owner:** South Bruce Peninsula, The Corporation Of The Town Of  
**Municipal Location:** The South Bruce Peninsula

**Regulation:** O.REG 170/03  
**Category:** Small Municipal Residential System  
**Type Of Inspection:** Focused  
**Inspection Date:** July 18, 2017  
**Ministry Office:** Owen Sound District Office

**Maximum Question Rating:** 497

**Inspection Risk Rating** | 0.00%

**FINAL INSPECTION RATING:** | 100.00%



**Ontario**

**Ministry of the Environment and Climate Change  
Drinking Water Inspection Report**

## **APPENDIX B**

### **REFERENCE GUIDE FOR STAKEHOLDERS**

# Key Reference and Guidance Material for Municipal Residential Drinking Water Systems

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

To access these materials online click on their titles in the table below or use your web browser to search for their titles. Contact the Public Information Centre if you need assistance or have questions at 1-800-565-4923/416-325-4000 or [picemail.moe@ontario.ca](mailto:picemail.moe@ontario.ca).

For more information on Ontario's drinking water visit [www.ontario.ca/drinkingwater](http://www.ontario.ca/drinkingwater) and email [drinking.water@ontario.ca](mailto:drinking.water@ontario.ca) to subscribe to drinking water news.



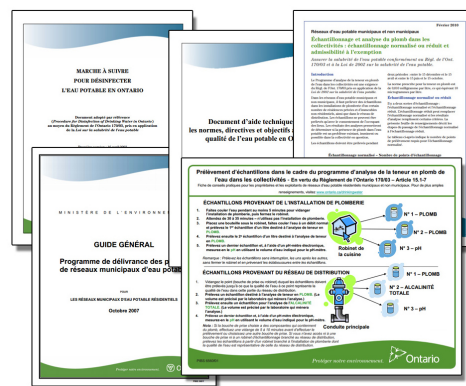
| PUBLICATION TITLE   | PUBLICATION NUMBER  |
|---|---------------------|
| Taking Care of Your Drinking Water: A Guide for Members of Municipal Councils   | 7889e01             |
| FORMS: Drinking Water System Profile Information, Laboratory Services Notification, Adverse Test Result Notification Form       | 7419e, 5387e, 4444e |
| Procedure for Disinfection of Drinking Water in Ontario   | 4448e01             |
| Strategies for Minimizing the Disinfection Products Trihalomethanes and Haloacetic Acids  | 7152e               |
| Total Trihalomethane (TTHM) Reporting Requirements Technical Bulletin (February 2011)   | 8215e               |
| Filtration Processes Technical Bulletin   | 7467                |
| Ultraviolet Disinfection Technical Bulletin   | 7685                |
| Guide for Applying for Drinking Water Works Permit Amendments, Licence Amendments, Licence Renewals and New System Applications | 7014e01             |
| Certification Guide for Operators and Water Quality Analysts  |                     |
| Guide to Drinking Water Operator Training Requirements  | 9802e               |
| Taking Samples for the Community Lead Testing Program   | 6560e01             |
| Community Sampling and Testing for Lead: Standard and Reduced Sampling and Eligibility for Exemption                            | 7423e               |
| Guide: Requesting Regulatory Relief from Lead Sampling Requirements   | 6610                |
| Drinking Water System Contact List  | 7128e               |
| Technical Support Document for Ontario Drinking Water Quality Standards   | 4449e01             |

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

# 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 Centre d'information au public au 1 800 565-4923 ou au 416 325-4000, ou encore à [picemail.moe@ontario.ca](mailto:picemail.moe@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) ou envoyez un courriel à [drinking.water@ontario.ca](mailto:drinking.water@ontario.ca) pour suivre l'information sur l'eau potable.

| TITRE DE LA PUBLICATION  | NUMÉRO DE PUBLICATION |
|--|-----------------------|
| Prendre soin de votre eau potable – Un guide destiné aux membres des conseils municipaux   | 7889f01               |
| Renseignements sur le profil du réseau d'eau potable, Avis de demande de services de laboratoire, Formulaire de communication de résultats d'analyse insatisfaisants et du règlement des problèmes   | 7419f, 5387f, 4444f   |
| Marche à suivre pour désinfecter l'eau potable en Ontario  | 4448f01               |
| Strategies for Minimizing the Disinfection Products Trihalomethanes and Haloacetic Acids (en anglais seulement)  | 7152e                 |
| Total Trihalomethane (TTHM) Reporting Requirements: Technical Bulletin (février 2011) (en anglais seulement)   | 8215e                 |
| Filtration Processes Technical Bulletin (en anglais seulement)   | 7467                  |
| Ultraviolet Disinfection Technical Bulletin (en anglais seulement)   | 7685                  |
| Guide de présentation d'une demande de modification du permis d'aménagement de station de production d'eau potable, de modification du permis de réseau municipal d'eau potable, de renouvellement du permis de réseau municipal d'eau potable et de permis pour un nouveau réseau | 7014f01               |
| 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  |                       |
| Guide sur les exigences relatives à la formation des exploitants de réseaux d'eau potable  | 9802f                 |
| Prélèvement d'échantillons dans le cadre du programme d'analyse de la teneur en plomb de l'eau dans les collectivités  | 6560f01               |
| Échantillonnage et analyse du plomb dans les collectivités : échantillonnage normalisé ou réduit et admissibilité à l'exemption  | 7423f                 |
| Guide: Requesting Regulatory Relief from Lead Sampling Requirements (en anglais seulement)   | 6610                  |
| Liste des personnes-ressources du réseau d'eau potable   | 7128f                 |
| Document d'aide technique pour les normes, directives et objectifs associés à la qualité de l'eau potable en Ontario   | 4449f01               |

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