



TOWNSHIP OF MONTAGUE

WATER DISTRIBUTION SUBSYSTEM CLASS 1

Annual Summary Report for the Township of Montague Council

Reporting Period January 1st, 2017 to December 31st, 2017

TABLE OF CONTENTS

- 1. Executive Summary**
- 2. General Requirements of the Safe Drinking Water Act 2002**
- 3. Schedule 22 of Ontario Regulation 170/03**
- 4. Maintenance Report**
- 5. Operator Certification**
- 6. Daily Chlorine Residuals**
- 7. Adverse Water Tests**
- 8. Water Consumption Atironto & Rideau Avenue**
- 9. Annual Report**
- 10. Non-Compliance with Regulatory Requirements & Actions**
- 11. 2016 Ministry of the Environment Inspection Summary Rating Record**

1. EXECUTIVE SUMMARY

To: Reeve Dobson and Council,

Each year it is a requirement under Ontario Regulation 170/03 that the owner of a Drinking Water Subsystem ensures that members of Council receive, no later than March 31st of each year, a summary report of the drinking water subsystem.

There were no Ministry of the Environment (MOE) orders issued or placed against the water distribution subsystem during 2017.

I am pleased to report that the Montague Distribution System received a Final Inspection Rating of 96.57% from the Ministry of the Environment in their 2017 Inspection Report.

REPORTS INCLUDED

General Requirements of the Safe Drinking Water Act 2002

This portion of the Act sets out the responsibilities of the “Owner” of the system.

Definition of *Owner*

“Owner” includes, in respect of a drinking water system, every person who is a legal or beneficial owner of all or part of the system, but does not include the Agency or any of its predecessors where the Agency or predecessor is registered on title as the owner of the system.

Schedule 22 of Ontario Regulation 170/03

This portion of O. Reg. 170/03 sets out the contents which must be included in this Summary Report to Council.

Maintenance Report

A summary of maintenance performed in the distribution system.

Operator Certification

Drinking Water Operator Certification

Daily Chlorine Residuals

These spreadsheets indicate the daily chlorine residuals collected at various locations in the system.

Adverse Water Tests

A summary of the adverse water test that occurred and the corrective action that was required.

Water Consumption Atironto & Rideau Avenue

This chart outlines the monthly and yearly water received from the Town of Smiths Falls.

Annual Report

Section 11 of O. Reg. 170/03 states that an Annual Report be prepared no later than February 28th of each year. This requirement was fulfilled and a copy of this report is included in this Summary Report for your review.

2017 Non-Compliance with Regulatory Requirement & Actions

The 2017 annual MOE inspection took place October 25, 2017. The non-compliance issues outlined in this annual MOE inspection, and the actions taken to correct them, are included in this report.

2017 Ministry of the Environment Inspection Summary Rating Record

REPORT NOT INCLUDED

Summary of Flow Rates

Flow rates are not pertinent to the Township of Montague water distribution system since we purchase the water from the Town of Smiths Falls.

Copies of this report will be distributed to the locations listed below:

- Reeve and Council (5)
- Town of Smiths Falls (1)
- Township Office (1)
- Township Website (1)

Should you have any questions or require further clarification, I would be pleased to discuss this report individually or in front of Council as a whole.

Original Signed

Miles Greer
Water Distribution System Operator
Township of Montague

2. General Requirements of the Safe Drinking Water Act 2002

Potable water

10 Despite any other Act, a requirement that water be “potable” in any Act, regulation, order or other document issued under the authority of any Act or in a municipal by-law shall be deemed to be a requirement to meet, at a minimum, the requirements of the prescribed drinking water quality standards. 2002, c. 32, s. 10.

Duties of owners and operating authorities

11 (1) Every owner of a municipal drinking water system or a regulated non-municipal drinking water system and, if an operating authority is responsible for the operation of the system, the operating authority for the system shall ensure the following:

1. That all water provided by the system to the point where the system is connected to a user’s plumbing system meets the requirements of the prescribed drinking water quality standards.
2. That, at all times in which it is in service, the drinking water system,
 - i. is operated in accordance with the requirements under this Act,
 - ii. is maintained in a fit state of repair, and
 - iii. satisfies the requirements of the standards prescribed for the system or the class of systems to which the system belongs.
3. That the drinking water system is operated by persons having the training or expertise for their operating functions that is required by the regulations and the licence or approval issued or granted for the system under this Act.
4. That all sampling, testing and monitoring requirements under this Act that relate to the drinking water system are complied with.
5. That personnel at the drinking water system are under the supervision of persons having the prescribed qualifications.
6. That the persons who carry out functions in relation to the drinking water system comply with such reporting requirements as may be prescribed or that are required by the conditions in the licence or approval issued or granted for the system under this Act. 2002, c. 32, s. 11 (1).

Duty of owner to report to public

(2) If an owner of a municipal drinking water system or regulated non-municipal drinking water system is required by the regulations to report on any matter to the public, the owner shall report in accordance with the regulations. 2002, c. 32, s. 11 (2).

Out-of-province drinking water testing service

(3) No owner or operating authority of a municipal drinking water system or regulated non-municipal drinking water system shall obtain a drinking water testing service from a person who is not licensed under Part VII to offer or provide the service unless,

- (a) the laboratory at which the testing is to be conducted is located outside Ontario and is an eligible laboratory in respect of the particular tests to be conducted;
- (b) the person agrees in writing to comply with section 18 and any prescribed requirements; and
- (c) the owner or operating authority provides to the Director appointed for the purposes of Part VII,
 - (i) written notice of the use of the testing service,
 - (ii) a copy of the accreditation referred to in clause (4) (a), if applicable, and
 - (iii) a copy of the agreement referred to in clause (b). 2002, c. 32, s. 11 (3).

Eligible laboratory

(4) For the purposes of this section, a laboratory located outside Ontario is an eligible laboratory in respect of a particular test if the laboratory is on a list maintained by the Director appointed for the purposes of Part VII and,

- (a) the laboratory is accredited for the conduct of the test and, in the Director's opinion, the accreditation is equivalent to the accreditation standard of an accreditation body for drinking water testing under Part VII; or
- (b) in the Director's opinion,
 - (i) it is desirable for the purposes of this Act that the test be available,
 - (ii) there is no laboratory, or there are insufficient laboratories, in the area for the conduct of the test under a licence issued under Part VII, and
 - (iii) the person who is to provide the drinking water testing service will be capable of conducting the test at the laboratory, or causing the test to be conducted there. 2002, c. 32, s. 11 (4).

List of out-of-province laboratories

(5) For the purposes of subsection (4), a laboratory may be added to the list maintained by the Director, and may be retained on the list, only if,

- (a) any fee required under this Act has been paid in respect of the laboratory; and
- (b) the laboratory complies with the prescribed requirements. 2002, c. 32, s. 11 (5).

Director's direction

(6) The Director may issue a direction to one or more owners or operating authorities prohibiting them from obtaining drinking water testing services from a laboratory located outside Ontario if the Director has reason to believe that the laboratory has ceased to be an eligible laboratory or has failed to comply with section 18 or a prescribed requirement. 2002, c. 32, s. 11 (6).

Same

(7) Every person who receives a direction under subsection (6) shall comply with the direction and advise the Director in writing of the alternative laboratory from which the person will obtain drinking water testing services. 2002, c. 32, s. 11 (7).

Revocation of direction

(8) The Director may revoke a direction issued under subsection (6) if he or she is of the opinion that the reasons for issuing the direction no longer exist. 2002, c. 32, s. 11 (8).

Operator's certificate

12 (1) No person shall operate a municipal drinking water system or a regulated non-municipal drinking water system unless the person holds a valid operator's certificate issued in accordance with the regulations. 2002, c. 32, s. 12 (1).

(2)-(4) Repealed: 2017, c. 2, Sched. 11, s. 6 (2).

Section Amendments with date in force (d/m/y)

Duty to have accredited operating authority

13 (1) Every owner of a municipal drinking water system shall ensure that an accredited operating authority is in charge of the system at all times on and after the day specified in the regulations for the municipality, the system or the owner of the system. 2002, c. 32, s. 13 (1).

Same

(2) If the Minister makes a regulation requiring an accredited operating authority to be in charge of a non-municipal drinking water system, the owner of the system shall ensure that an accredited operating authority is in charge of the system at all times. 2002, c. 32, s. 13 (2).

Agreement with accredited operating authority

14 (1) If an accredited operating authority is in charge of a drinking water system and it is not the owner of the system, the accredited operating authority and the owner of the system shall enter into an agreement that contains the following:

1. A description of the system or the parts of the system for which the operating authority is responsible.
2. A description of the respective responsibilities of the owner and the operating authority to ensure that the operation, maintenance, management and alteration of the

system comply with this Act, the regulations, any order under this Act and the conditions in,

- i. the drinking water works permit and the municipal drinking water licence for the system, in the case of a municipal drinking water system, or
- ii. the approval for the system, in the case of a non-municipal drinking water system.

3. A description of the respective responsibilities of the owner and the accredited operating authority in the event a deficiency is determined to exist or an emergency occurs.

4. A description of the respective responsibilities of the owner and the accredited operating authority to ensure that the operational plans for the system are reviewed and revised appropriately and that both parties are informed of all revisions.

5. Any other provisions required by the regulations. 2002, c. 32, s. 14 (1).

Delegation of duty

(2) If an owner of a drinking water system enters into an agreement with an accredited operating authority, the owner may, in the agreement, delegate a duty imposed on the owner under this Act to the accredited operating authority. 2002, c. 32, s. 14 (2).

Exception

(3) A delegation referred to in subsection (2) shall not relieve the owner of the drinking water system from the duty to comply with section 19 or the duty,

(a) to ensure that the accredited operating authority carries out its duties under this Act and the agreement in a competent and diligent manner while it is in charge of the system; and

(b) upon discovery that the accredited operating authority is failing to act in accordance with clause (a), to take all reasonable steps to ensure that the operation of the system complies with the requirements under this Act. 2002, c. 32, s. 14 (3).

Agreement to be made public

(4) The contents of every agreement referred to in subsection (1) between an owner of a drinking water system and an accredited operating authority shall be made public by the owner of the system in accordance with the requirements prescribed by the Minister. 2002, c. 32, s. 14 (4).

Directions, operational plans

15 (1) The Director shall, on or before the prescribed date, issue directions governing the preparation and content of operational plans for municipal drinking water systems and may issue such additional directions as the Director considers necessary for the purposes of this section. 2002, c. 32, s. 15 (1).

Same

(2) If the Minister makes a regulation requiring a non-municipal drinking water system or a class of non-municipal drinking water systems to have operational plans, the Director shall, on or before the date prescribed by the Minister, issue directions governing the preparation and content of operational plans for the system or systems. 2002, c. 32, s. 15 (2).

Same

(3) The Director may amend, revoke or replace a direction issued under this section. 2002, c. 32, s. 15 (3).

Content of direction

(4) The direction shall include,
(a) minimum content requirements for operational plans;
(b) rules respecting the retention of copies of versions of operational plans;
(c) rules respecting the public disclosure of the contents of operational plans; and
(d) such other requirements as the Director considers necessary for the purposes of this Act and the regulations. 2002, c. 32, s. 15 (4).

Same

(5) A direction issued under this section may,
(a) be general or limited in its application;
(b) apply in respect of any class of drinking water systems;
(c) require the preparation of operational plans for a treatment system, a distribution system or any part of either or both of them. 2002, c. 32, s. 15 (5).

Publication

(6) A direction, amendment to a direction or revocation of a direction takes effect when a notice of the direction, amendment or revocation, as the case may be, is given in the Registry. 2002, c. 32, s. 15 (6).

Legislation Act, 2006, Part III

(7) Part III (Regulations) of the *Legislation Act, 2006* does not apply to a direction issued under this section. 2002, c. 32, s. 15 (7); 2006, c. 21, Sched. F, s. 132 (1).

Section Amendments with date in force (d/m/y)

Operational plans

16 (1) If operational plans are required for a drinking water system under this Act, every owner and accredited operational authority of the system shall,

- (a) ensure that the plans comply with such directions issued under section 15 that apply in respect of the system; and
- (b) make public the contents of the operating plans in accordance with the Director's directions. 2002, c. 32, s. 16 (1).

Submission of plans, municipal drinking water system

(2) Every owner of a municipal drinking water system shall provide a copy of all operational plans for the system to the Director on or before the day prescribed by the regulations for the municipality, the system or the owner of the system. 2002, c. 32, s. 16 (2).

Review of plans

(3) The Director shall review the operational plans for the municipal drinking water system and shall issue a notice,

- (a) accepting the plans if the Director is satisfied that the plans satisfy the directions; or
- (b) rejecting the plans for the reasons set out in the notice, if the Director is not satisfied that the plans satisfy the directions. 2002, c. 32, s. 16 (3).

Resubmission of plans

(4) The owner of a municipal drinking water system whose operational plans are rejected by the Director shall revise and resubmit the revised plans to the Director in accordance with the directions specified in the notice. 2002, c. 32, s. 16 (4).

Ownership of operational plans

17 (1) All operational plans for a drinking water system remain the property of the owner of the system, irrespective of who prepares or revises the plans. 2002, c. 32, s. 17 (1).

Retention of plans

(2) Every accredited operating authority of a drinking water system for which operational plans are required under this Act shall retain copies of the operational plans for the system in accordance with the Director's directions under section 15. 2002, c. 32, s. 17 (2).

Same

(3) Upon termination of an agreement between the owner and the accredited operating authority of a system, the accredited operating authority shall ensure that the owner has copies of the most recently prepared and revised operational plans for the system. 2002, c. 32, s. 17 (3).

Duty to report adverse test result

18 (1) Each of the following persons shall report every prescribed adverse result of a drinking water test conducted on any waters from a municipal drinking water system or a regulated non-municipal drinking water system to the Ministry and the medical officer of health immediately after the adverse result is obtained:

1. The operating authority responsible for the system or, if there is no operating authority responsible for the system, the owner of the system.
2. The person operating the laboratory at which the adverse result was obtained. 2002, c. 32, s. 18 (1); 2007, c. 10, Sched. D, s. 3 (6).

Same

(2) A report under subsection (1) shall be made in accordance with the regulations. 2002, c. 32, s. 18 (2).

Duty to report to the owner

(3) If an operating authority is required to report an adverse test result under subsection (1), the operating authority shall also immediately report the adverse test result to the owner of the system for which the operating authority is responsible. 2007, c. 10, Sched. D, s. 3 (7).

Duty of laboratory to report

(4) Every person operating a laboratory who is required to report an adverse test result under subsection (1) shall also notify the operating authority responsible for the system or, if there is no operating authority responsible for the system, the owner of the system, of every adverse test result relating to the system, immediately after the adverse result is obtained. 2007, c. 10, Sched. D, s. 3 (7).

Section Amendments with date in force (d/m/y)

Duty to report adverse test result

18.1 (1) The person operating the laboratory at which an adverse result was obtained shall report every prescribed adverse result of a drinking water test conducted on any waters from a small drinking water system within the meaning of the *Health Protection and Promotion Act* to the Ministry of Health and Long-Term Care and the medical officer of health immediately after the adverse result is obtained. 2007, c. 10, Sched. D, s. 3 (8).

Same

(2) A report under subsection (1) shall be made in accordance with the regulations. 2007, c. 10, Sched. D, s. 3 (8).

Duty of laboratory to report

(3) Every person operating a laboratory who is required to report an adverse test result under subsection (1) shall also notify the operator responsible for the system or, if there is no operator responsible for the system, the owner of the system, of every adverse test result relating to the system, immediately after the adverse result is obtained. 2007, c. 10, Sched. D, s. 3 (8).

Section Amendments with date in force (d/m/y)

Standard of care, municipal drinking water system

19 (1) Each of the persons listed in subsection (2) shall,
(a) exercise the level of care, diligence and skill in respect of a municipal drinking water system that a reasonably prudent person would be expected to exercise in a similar situation; and
(b) act honestly, competently and with integrity, with a view to ensuring the protection and safety of the users of the municipal drinking water system. 2002, c. 32, s. 19 (1).

Same

(2) The following are the persons listed for the purposes of subsection (1):
1. The owner of the municipal drinking water system.
2. If the municipal drinking water system is owned by a corporation other than a municipality, every officer and director of the corporation.
3. If the system is owned by a municipality, every person who, on behalf of the municipality, oversees the accredited operating authority of the system or exercises decision-making authority over the system. 2002, c. 32, s. 19 (2).

Offence

(3) Every person under a duty described in subsection (1) who fails to carry out that duty is guilty of an offence. 2002, c. 32, s. 19 (3).

Same

(4) A person may be convicted of an offence under this section in respect of a municipal drinking water system whether or not the owner of the system is prosecuted or convicted. 2002, c. 32, s. 19 (4).

Reliance on experts

(5) A person shall not be considered to have failed to carry out a duty described in subsection (1) in any circumstance in which the person relies in good faith on a report of an engineer, lawyer, accountant or other person whose professional qualifications lend credibility to the report. 2002, c. 32, s. 19 (5).

Prohibition

20 (1) No person shall cause or permit any thing to enter a drinking water system if it could result in,

- (a) a drinking water health hazard;
- (b) a contravention of a prescribed standard; or
- (c) interference with the normal operation of the system. 2002, c. 32, s. 20 (1).

Exception

(2) Subsection (1) does not apply to prohibit activities that are carried out,

- (a) in the course of the proper operation, maintenance, repair or alteration of a drinking water system; or
- (b) under a statutory authority or for the purposes of complying with a statutory requirement. 2002, c. 32, s. 20 (2).

Dilution no defence

(3) For the purposes of prosecuting the offence of contravening subsection (1), it is not necessary to prove that the thing, if it was diluted when or after it entered the system, continued to result in or could have resulted in a drinking water health hazard. 2002, c. 32, s. 20 (3).

3. SCHEDULE 22 SUMMARY REPORTS FOR MUNICIPALITIES

Municipal: Large Residential
Small Residential

Application

22-1. This Schedule applies to the following drinking water systems:

1. Large municipal residential systems.
2. Small municipal residential systems.

Report

22-2. (1) The owner of a drinking water system shall ensure that, not later than March 31 of each year after 2003, a report is prepared in accordance with subsections (2) and (3) for the preceding calendar year and is given to,

- (a) in the case of a drinking water system owned by a municipality, the members of the municipal council;
- (b) in the case of a drinking water system owned by a municipal service board established under section 195 of the *Municipal Act, 2001*, the members of the municipal service board; or
- (c) in the case of a drinking water system owned by a corporation, the board of directors of the corporation.

(2) The report must,

(a) list the requirements of the Act, the regulations, the system's approval, drinking water works permit, municipal drinking water licence, and any orders applicable to the system that were not met at any time during the period covered by the report; and
(b) for each requirement referred to in clause (a) that was not met, specify the duration of the failure and the measures that were taken to correct the failure.

(3) The report must also include the following information for the purpose of enabling the owner of the system to assess the capability of the system to meet existing and planned uses of the system:

1. A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows.

2. A comparison of the summary referred to in paragraph 1 to the rated capacity and flow rates approved in the system's approval, drinking water works permit or municipal drinking water licence, or if the system is receiving all of its water from another system under an agreement pursuant to subsection 5 (4), to the flow rates specified in the written agreement.

(4) If a report is prepared under subsection (1) for a system that supplies water to a municipality under the terms of a contract, the owner of the system shall give a copy of the report to the municipality by March 31.

(5) Revoked: O. Reg. 253/05, s. 18.

OWRA approvals

22-3. A provision of an OWRA approval that requires the completion and presentation of a compliance report does not apply to a drinking water system if the owner of the system complies with section 22-2.

O. Reg. 170/03, Sched. 22; O. Reg. 249/03, s. 24; O. Reg. 253/05, s. 18; O. Reg. 418/09, s. 26



4. Maintenance Summary 2017

There were no major malfunctions in the Montague water system in 2017 and the following routine maintenance was carried out:

- General maintenance and flushing was done twice annually by the Smiths Falls Water Commission
- The chlorimeter is calibrated every two months in-house
- Major pre-cleaning and closed-circuit television condition assessment of wastewater sewers in Atironto.
- Proactive valve exercising program for Atironto water system.

5. Certificates and Licences

Mr. Miles Greer is the designated Overall Responsible Operator (ORO) and the Operator- In- Charge (OIC) for the Montague Distribution System. Mr. Greer holds a valid Class 1 Water Distribution Subsystem (WDS) Certificate, Certificate No. 89633, expiring on June 30, 2018. He has obtained the required CEUs and course hours over the three year period to enable him to renew his certificate in June, 2018.

Mr. Greer obtained his OIT Wastewater Certificate in 2016. To obtain his Class 1 Wastewater licence, he is required to have one year of valid operating experience in a classified subsystem/facility which he has not yet been able to obtain.

Mr. Tim Buchanan, Fire Captain, wrote the OIT exam for Water Distribution Subsystems and needed to meet the requirement of one year training to obtain his Class 1 Operator Certificate. He was unable to acquire the necessary training hours and his certificate has now expired.

The Township's Municipal Drinking Water Licence Number 265-101 (Issue Number 2) was renewed on July 27, 2016 and expires July 26, 2021. The Application for Licence Renewal Date is January 26, 2021. Drinking Water Works Permit (DWWP) No. 265-201 (Issue Number 2) was renewed on July 27, 2016.

An application has been re-submitted to the OWWCO to have the Township's wastewater collection system classified. Approval is pending the submission of the ECA certificate by the owner.

6. Daily Free Available Chlorine in the Distribution System

There was daily testing of the free chlorine in the Atironto system. The location, time, tester and results of these daily tests are available upon request.

7. Adverse Water Tests

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
20170125	E-Coli	36	Cfu/100ml	Resampled	20170127

8. Water Consumption – Atironto & Rideau Avenue

TOWNSHIP OF MONTAGUE			
WATER CONSUMPTION - 2017			
ATIRONTO & RIDEAU AVENUE			
	[1]		
MONTH	ATIRONTO	RIDEAU	CUBIC METERS PER MONTH
January	2,251	16	2,267
February	1,743	858	2,601
March	1,127	12	1,139
April	1,249	741	1,990
May	1,481	12	1,493
June	1,491	847	2,338
July	1,342	10	1,352
August	1,844	741	2,585
SUB-TOTAL	12,528	3,237	15,765
September	920	11	931
October	1,317	572	1,889
November	1,264	10	1,274
December	1,460	746	2,206
TOTAL - YTD	17,489	4,576	22,065
Prepared:	23-Oct-17		
Updated:	09-Jan-18		
<i>[1] = prepared from information included in invoices received from Town of Smiths Falls</i>			

9.

TOWNSHIP OF MONTAGUE 2017 ANNUAL REPORT

Drinking-Water System Number:	260006828
Drinking-Water System Name:	Montague Distribution System
Drinking-Water System Owner:	Corporation of the Township of Montague
Drinking-Water System Category:	Large Municipal Drinking Water System
Period being reported:	January 1 st , 2017 to December 31 st , 2017

<p><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></p> <p>Does your Drinking-Water System serve more than 10,000 people? Yes [] No [X]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [X] No []</p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Township of Montague Municipal Office 6547 Roger Stevens Drive Smiths Falls, ON K7A 4W6 </div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: <div style="border: 1px solid black; width: 100px; text-align: center; padding: 2px;">0</div> </p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [] No []</p> <p>Number of Interested Authorities you report to: <div style="border: 1px solid black; width: 100px; text-align: center; padding: 2px;">0</div> </p> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [] No []</p>
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Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report

List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:

Drinking Water System Name	Drinking Water System Number
None	n/a

Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water?
 Yes [X] No []

Indicate how you notified system users that your annual report is available, and is free of charge.

- Public access/notice via the web
- Public access/notice via Government Office
- Public access/notice via a newspaper
- Public access/notice via Public Request
- Public access/notice via a Public Library
- Public access/notice via other method

Describe your Drinking-Water System

The community of Atironto (located within the Township of Montague) serves a population of approximately 350 persons via 138 residential hook-ups. The distribution system includes 3.25 kms of 150 mm. water mains and 21 fire hydrants. The commercial, industrial or designated facility existing at this time is Lanark County Ambulance Services. The Town of Smiths Falls supplies the treated water (Drinking Water System No. 220001307). Total annual metered flow into the community was 22,065 cubic meters.

List all water treatment chemicals used over this reporting period

None

Were any significant expenses incurred to:

- Install required equipment
- Repair required equipment
- Replace required equipment

Please provide a brief description and a breakdown of monetary expenses incurred

1. Major pre-cleaning and closed-circuit television condition assessment of wastewater sewers in Atironto. Total Spent \$11,432.85
2. Proactive valve exercising program for Atironto water system. Total Spent \$2,762.49

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
			Cfu/100 ml		

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw					
Treated					
Distribution	104	0	0	104	<10 - 30

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

	Number of Grab Samples	Range of Results (min #)-(max #)
Turbidity		
Chlorine	365	0.25 – 1.45
Fluoride (If the DWS provides fluoridation)		

NOTE: For continuous monitors use 8760 as the number of samples.

NOTE: Record the unit of measure if it is **not** milligrams per litre.

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
None				

Summary of Inorganic parameters tested during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony				
Arsenic				
Barium				
Boron				
Cadmium				
Chromium				
*Lead				
Mercury				
Selenium				
Sodium				
Uranium				
Fluoride				
Nitrite				
Nitrate				

Summary of lead testing under Schedule 15.1 during this reporting period.

Location Type	Number of Samples	Range of Lead Results (min#) – (max #)	Number of Exceedances
Plumbing	0	0	0
Distribution	2	.00036 - .00128	0

Summary of Organic parameters sampled during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor				
Aldicarb				
Aldrin + Dieldrin				
Atrazine + N-dealkylated metabolites				
Azinphos-methyl				
Bendiocarb				
Benzene				
Benzo(a)pyrene				
Bromoxynil				
Carbaryl				
Carbofuran				
Carbon Tetrachloride				
Chlordane (Total)				
Chlorpyrifos				
Cyanazine				
Diazinon				
Dicamba				
1,2-Dichlorobenzene				
1,4-Dichlorobenzene				
Dichlorodiphenyltrichloroethane (DDT) + metabolites				
1,2-Dichloroethane				
1,1-Dichloroethylene (vinylidene chloride)				
Dichloromethane				
2,4-Dichlorophenol				
2,4-Dichlorophenoxy acetic acid (2,4-D)				
Diclofop-methyl				
Dimethoate				
Dinoseb				
Diquat				
Diuron				
Glyphosate				
Heptachlor + Heptachlor Epoxide				

Lindane (Total)				
Malathion				
Methoxychlor				
Metolachlor				
Metribuzin				
Monochlorobenzene				
Paraquat				
Parathion				
Pentachlorophenol				
Phorate				
Picloram				
Polychlorinated Biphenyls(PCB)				
Prometryne				
Simazine				
THM (NOTE: show latest annual average)	25-10-17	42.56	Ug/L	
Temephos				
Terbufos				
Tetrachloroethylene				
2,3,4,6-Tetrachlorophenol				
Triallate				
Trichloroethylene				
2,4,6-Trichlorophenol				
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)				
Trifluralin				
Vinyl Chloride				

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

Parameter	Result Value	Unit of Measure	Date of Sample

I certify that the information supplied is accurate

Owner: Corporation of the Township of Montague
6547 Roger Stevens Drive
P.O. Box 755
Smiths Falls, ON K7A 4W6
Phone: (613) 283-7478
Fax: (613) 283-3112

****Original Signed****

Jasmin Ralph
Clerk Administrator

10. Non-Compliance with Regulatory Requirements and Actions

1. All sampling requirements for lead prescribed by schedule 15.1 of O. Reg. 170/03 were not met.

Action: A written action plan for ensuring the following:

- One (1) distribution sample is taken for testing of alkalinity and pH every sampling period in each year (December 15 to April 15 and June 15 to October 15); and,
- One (1) distribution sample is taken and tested for lead, alkalinity and pH during the two consecutive prescribed periods in every third 12-month period (every third year).

NOTE: pH and alkalinity samples are to be taken at the same time as lead samples.

The written action plan includes revising the Township's Sampling Schedule and related procedures to include lead samples taken at same time as pH and alkalinity samples.

2. The owner did not have evidence that all required notifications to all legal owners associated with the Drinking Water System had been made during the inspection period.

Action: Council Minutes showing this was done and a copy of the documentation provided to the Provincial Officer.

3. The owner failed to develop written procedures specific to the Montague Distribution System for valve exercising, hydrant maintenance and monitoring for chlorine.

The Township maintains an "Essential Supplies and Service List", but this list does not contain the contact information for spill contractors or waste management companies to call in the event of a spill or the Fire Department contact information and list of equipment.

Action: Developed and implemented a policy/program for valve exercising, including the frequency of valve turning.

Revised the Township's "Essential Supplies and Service List" to state that the Fire Department is involved in containment and clean-up operations, and that the Fire Department has the following equipment: shovels, brooms, spill containment pools, absorbents and large socks; and included the contact information for spill contractors and waste management companies in the event of a spill. Developed a spill response procedure, including the staff training requirements and procedures for spill containment and clean-up and use of equipment.

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

DWS Name: MONTAGUE DISTRIBUTION SYSTEM
DWS Number: 260006828
DWS Owner: Montague, The Corporation Of The Township Of
Municipal Location: Montague

Regulation: O.REG 170/03
Category: Large Municipal Residential System
Type Of Inspection: Standalone
Inspection Date: October 25, 2017
Ministry Office: Ottawa District

Maximum Question Rating: 350

Inspection Module	Non-Compliance Rating
Treatment Processes	0 / 47
Distribution System	0 / 21
Operations Manuals	0 / 42
Logbooks	0 / 26
Certification and Training	0 / 43
Water Quality Monitoring	8 / 75
Reporting & Corrective Actions	4 / 67
Other Inspection Findings	0 / 0
Treatment Process Monitoring	0 / 29
TOTAL	12 / 350

Inspection Risk Rating	3.43%
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FINAL INSPECTION RATING:	96.57%
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Ministry of the Environment - Detailed Inspection Rating Record (Reporting Year - 2017-2018)

DWS Name: MONTAGUE DISTRIBUTION SYSTEM
DWS Number: 260006828
DWS Owner: Montague, The Corporation Of The Township Of
Municipal Location: Montague
Regulation: O.REG 170/03
Category: Large Municipal Residential System
Type Of Inspection: Standalone
Inspection Date: October 25, 2017
Ministry Office: Ottawa District

Non-compliant Question(s)	Question Rating
Other Inspection Findings	
In the event that an issue of non-compliance outside the scope of this inspection protocol is identified, a "No" response may be used if further actions are deemed necessary (and approved by the DW Supervisor) to facilitate compliance.	0
Reporting & Corrective Actions	
Does the owner have evidence that, when required, all legal owners associated with the DWS were notified of the requirements of the Licence & Permit?	4
Water Quality Monitoring	
Are all sampling requirements for lead being met as prescribed by schedule 15.1 of O. Reg. 170/03?	8
TOTAL QUESTION RATING	12

Maximum Question Rating: 350

Inspection Risk Rating	3.43%
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FINAL INSPECTION RATING:	96.57%
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