

**Ministry of the
Environment,
Conservation and Parks**
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Peterborough ON K9J 3C7
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**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
Tél: 705 755-4300
558-0595230,



Mrs. Yvette Hurley
Chief Administrative Officer
Township of Cavan Monaghan
988 County Road 10
Millbrook, ON L0A 1G0

Dear Mrs. Hurley:

**RE: Millbrook Drinking Water System
2019-20 Compliance Inspection Report 1-L4FKG
MOE File: SI PB MI CO10 540**

Please find attached the Ministry of the Environment's inspection report for the above facility. The report details the findings of the inspection that began on October 11, 2019.

The Appendix section of the inspection includes the Stakeholder Appendix A with links to key reference and guidance materials available on the Ministry of the Environment's and Climate Change (MOECC) website. Appendix B contains the inspection rating record and an updated risk methodology memo.

Please note the attached IRR methodology memo describing how the risk rating model has improved to better reflect the health related and administrative non-compliance found in an inspection report. IRR ratings are published (for the previous inspection year) in the Ministry's Chief Drinking Water Inspectors' Annual Report.

In the inspection report, any "*Actions Required*" are linked to incidents of non-compliance with regulatory requirements contained within the Act, a regulation, or site-specific approvals, licenses, permits, orders or instructions. Such violations could result in the issuance of mandatory abatement instruments including Orders, tickets, penalties, or referrals to the ministry's Investigations and Enforcement Branch.

"*Recommended Actions*" convey information that the owner or operating authority should consider implementing in order to advance efforts already in place to address such issues as emergency preparedness, the availability of information to consumers, and conformance with existing and emerging industrial standards. Please note that items which appear as recommended actions do not, in themselves, constitute violations.

Please note, you will find in the report that bullets are shown in bold print and are the consistent and standard responses to the information gathered during the inspection. Statements shown in regular font provide additional site-specific details.

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

I would like to thank the staff for the assistance afforded to me during this compliance assessment. If you have any questions or concerns please contact myself or Jacqueline Fuller, Water Supervisor at 705-755-4328.

Yours truly,



H. Williams
Water Inspector
Drinking Water and Environmental Compliance Division
Ministry of Environment, Conservation and Parks

cc:

Wayne Hancock, Director of Public Works, Township of Cavan Monaghan
Rene Gagnon, Manager, Water Treatment, Peterborough Utilities Services
Julie Ingram, Manager of Environmental Health, Peterborough City/County Health Unit
Jacqueline Fuller, Supervisor, Peterborough District Office, MOE



Ministry of the Environment, Conservation and Parks

A background image showing a close-up of a chrome water tap with water being poured into a clear glass. The water is captured in motion, creating a stream and splashing into the glass, which is partially filled with water and bubbles.

MILLBROOK DRINKING WATER SYSTEM
Inspection Report

Site Number:	220000781
Inspection Number:	1-L4FKG
Date of Inspection:	Sep 11, 2019
Inspected By:	Holie Williams



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OWNER INFORMATION:

Company Name: CAVAN MONAGHAN, THE TOWNSHIP OF
Street Number: 988 **Unit Identifier:**
Street Name: COUNTY ROAD 10
City: MILLBROOK
Province: ON **Postal Code:** L0A 1G0

CONTACT INFORMATION

Type:	Owner	Name:	Yvette Hurley
Phone:	(705) 932-2929	Fax:	
Email:	yhurley@cavanmonaghan.net		
Title:	Chief Administrative Officer, The Township of Cavan Monaghan		

Type:	Owner	Name:	Wayne Hancock
Phone:	(705) 927-9327	Fax:	
Email:	whancock@cavanmonaghan.net		
Title:	Director of Public Works		

Type:	Manager	Name:	Rene Gagnon
Phone:	(705) 748-9301 x2380	Fax:	(705) 748-3138
Email:	rgagnon@peterboroughutilities.ca		
Title:	Water Treatment Plant Manager, PUG Services Corporation		

Type:	Supervisor	Name:	Glenn Fisher
Phone:	(705) 748-9301 x2380	Fax:	(705) 748-3138
Email:	gfisher@peterboroughutilities.ca		
Title:	Water Treatment Plant, Operations and Water Quality Supervisor, PUG Services Corporation		

INSPECTION DETAILS:

Site Name: MILLBROOK DRINKING WATER SYSTEM
Site Address: 86 KING Street MILLBROOK ON L0A 1G0
County/District: CAVAN-MILLBROOK-NORTH MONAGHAN
MECP District/Area Office: Peterborough District
Health Unit: PETERBOROUGH COUNTY-CITY HEALTH UNIT
Conservation Authority:
MNR Office:
Category: Large Municipal Residential
Site Number: 220000781
Inspection Type: Announced
Inspection Number: 1-L4FKG
Date of Inspection: Sep 11, 2019
Date of Previous Inspection: Oct 16, 2018

COMPONENTS DESCRIPTION

Site (Name): RAW WATER - WELL No. 1
Type: Source **Sub Type:** Ground Water

Comments:
Well No. 1 was drilled in 1976 by G. Hart and Sons and is a 250 mm diameter 30 metre steel cased drilled well located under the pumphouse. This well terminates in sandy gravel overburden material and is a flowing artesian well equipped with a stainless steel screen located between approximately 26 to 30.5 metres. Well No. 1 was equipped with a submersible vertical turbine pump discharging to the pumphouse.

Site (Name): RAW WATER - WELL No. 2
Type: Source **Sub Type:** Ground Water

Comments:
Well No. 2 was drilled in 1976 by G. Hart and Sons and is a 250 mm diameter 30 metre deep steel cased drilled well located approximately 5 metres north of the pumphouse. This well terminates in clay and gravel overburden material and is a flowing artesian well equipped with a stainless steel screen located between approximately 26 to 30.5 metres. Well No. 2 was equipped with a submersible vertical turbine pump discharging to the pumphouse.

Site (Name): RAW WATER - WELL No. 3
Type: Source **Sub Type:** Ground Water

Comments:
Well No. 3 was drilled in 2002 by G. Hart and Sons Well Drilling Ltd. and is a 250 mm diameter 30 metre deep steel cased drilled well located approximately 10 metres northwest of the pumphouse. The well terminates in clay and gravel overburden material and is a flowing artesian well equipped with a stainless steel screen located between approximately 26 to 30.5 metres. Well No. 3 was equipped with a submersible vertical turbine pump discharging to the pumphouse.

Site (Name): TREATED WATER - PUMPHOUSE
Type: Treated Water POE **Sub Type:** Treatment Facility

Comments:
Primary disinfection at the Millbrook Well Supply is achieved using sodium hypochlorite solution added to the common raw water discharge at the inlet side of a 71 metre long, 900 millimetre diameter chlorine contact pipe. The chlorination system consists of two paced to flow chlorine pumps (one duty and one standby). The chlorination system was designed to provide adequate primary disinfection while maintaining a secondary chlorine residual level in the distribution system.
Online chlorine analyzers monitor pre and post chlorine residual levels at the entry and exit from the chlorine contact pipe.
Raw and treated water flows are measured using individual magmeters located on the respective well discharge lines and the treated water discharge header.

Site (Name): DISTRIBUTION STANDPIPE
Type: Other **Sub Type:** Other

Comments:
The Millbrook Well Supply distribution system provides drinking water to a connected population of 1,591 residents. A 2,600 cubic metre standpipe, located at 988 County Road 10, on the property of the Township of Cavan-Monaghan Municipal Office, provides storage and augments pressure in the distribution system.

Online chlorine analyzers, located in the booster pumping station, monitor pre and post standpipe residual levels at the entry and exit from the standpipe.

Site (Name): DISTRIBUTION BOOSTER PUMPING STATION

Type: Other **Sub Type:** Other

Comments:

A Booster Pumping Station is located at 988 County Road 10 adjacent to the standpipe. Booster and high flow pumps are intended to service the new development just south of the Municipal office. Three vertical in-line centrifugal booster pumps (2 duty, 1 standby) each rated at 11 L/s. Two vertical in-line centrifugal high flow pumps (duty/standby), each rated at 120 L/s. A diesel generator is housed in the booster pumping station.

Site (Name): DISTRIBUTION BULK FILLING STATION

Type: Other **Sub Type:** Other

Comments:

Building for bulk truck water filling station is located at 988 County Road 10 adjacent to the standpipe.

Site (Name): MOE DWS Mapping

Type: DWS Mapping Point **Sub Type:**

INSPECTION SUMMARY:

Introduction

- **The primary focus of this inspection is to confirm compliance with Ministry of the Environment, Conservation and Parks (MECP) legislation as well as evaluating conformance with ministry drinking water 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.

An announced inspection of the Millbrook Drinking Water System (DWS) was conducted on September 11, 2019 by Provincial Officer Holie Williams. The inspection included the physical inspection of the works and a compliance assessment with all applicable legislation and legal documents.

Documents reviewed in association with this report included, but were not limited to:

1. Ministry of the Environment, Conservation and Parks (MECP) Municipal Drinking Water Licence (MDWL), No. 136-101, dated January 25th, 2019.
2. Ministry of the Environment, Conservation and Parks, Drinking Water Works Permit (DWWP), No. 136-201, dated July 6th, 2016.
3. Other documents maintained by the owner/operating authority for the period of October 2018 through to September 2019, were also reviewed in conjunction with this inspection.

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.**

A visual assessment of the above-ground portion of the wells was conducted during the physical inspection. It was determined that the wells are being maintained in a manner sufficient to prevent the entry of surface water and other foreign materials into the wells. The operating authority visually inspects the above-ground portion of the wells on a weekly basis.

- **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.**

Section 16 of the MDWL, requires the operations and maintenance manual(s) to include the following:

- 16.2.8 An inspection schedule for all wells associated with the drinking water system, including all production wells, standby wells, test wells and monitoring wells;
- 16.2.9 Well inspection and maintenance procedures for the entire well structure of each well including all above and

Source

below grade well components;and

16.2.10 Remedial action plans for situations where an inspection indicates non-compliance with respect to regulatory requirements and/or risk to raw well water quality.

The above ground components are inspected weekly by the operator; the below grade components of wells are inspected approximately every 5 years.

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.**

Schedule C of the MDWL, requires that continuous flow measurement and recording shall be undertaken for:

1. The flow rate and daily volume of treated water that flows from the treatment subsystem to the distribution system; and
2. The rate and daily volume of water that flows into the treatment subsystem.

At the time of the inspection, the Millbrook DWS was equipped with the necessary flow monitoring devices to meet this compliance item in the MDWL.

- **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.**

Schedule C of the MDWL prescribes a maximum rated capacity of 3,000 m³/day.

The flow records were provided for the inspection review period. A review of the pumping records revealed that the maximum taking of 949.04 m³ was taken on July 23, 2019 which represents approximately 32% of the rated capacity.

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.**

The Millbrook DWS utilizes three secure ground water sources/wells to provide drinking water.

The minimum required treatment for groundwater systems must consist of disinfection and must be credited with achieving an overall performance that provides, at a minimum 2-log (99%) removal or inactivation of viruses prior to the first consumer.

Primary disinfection is provided through the injection of sodium hypochlorite on the common discharge header.

There is an oversized chlorine contact pipe to provide the time required to disinfect the drinking water.

Review of the SCADA (Supervisory Control and Data Acquisition) trending, flows and logbooks indicate that at all times that water was being directed to users, met the minimum treatment requirements of the Procedure for Disinfection of Drinking Water in Ontario and Ontario Regulation 170/03 for the inspection period.

- **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.**

Records confirmed that water treatment equipment that provides chlorination for secondary disinfection purposes was operated in a manner to fulfill the requirements under clause 1-2(2)4 of Schedule 1, O.Reg.170/03. Review of operational records revealed that the free chlorine residual was never less than 0.05 mg/L in the distribution system

Treatment Processes

for the inspection period.

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.**

Monitoring for primary disinfection free chlorine is monitored continuously at the end of the chlorine contact pipe. This free chlorine analyser is alarmed and has the ability to shut the plant down on a low low level alarm to ensure that only properly disinfected water is directed to users.

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

Ontario Regulation 170/03, Schedule 7-2(3), requires that the owner of a small municipal residential system that provides secondary disinfection and the operating authority for the system shall ensure that at least seven distribution samples are taken each week and are tested immediately for free chlorine residual. The Millbrook DWS utilizes a continuous free chlorine analyser located at the Booster Pumping Station in the distribution system to fulfill this requirement. This analyser is alarmed.

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

An operator at the Peterborough WTP is on duty 24 hours per day and monitors all functions of the Millbrook DWS on a continuous basis.

- **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 Millbrook DWS is equipped with multiple alarms to ensure that primary disinfection is achieved at all times. The free chlorine continuous monitors for both pre and post chlorine are equipped with high and low level alarms and pump lockouts in the case of a low low level chlorine alarm.

- **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.**

The continuous monitoring analysers are performing tests at a frequency that exceeds the set points specified in the Table in Schedule 6 of Ontario Regulation 170/03.

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

During the inspection period, the chlorine residual analysers were verified and calibrated on a regular basis. Records were provided and available for review.

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.**

Section 16 of the MDWL require that the operations and maintenance manual(s) be up-to-date, maintained and

Operations Manuals

available for reference by persons responsible for the operation or maintenance of the drinking water system. The MDWL also requires that the manual(s) include at a minimum, the requirements of both the MDWL and DWWP, a description of the processes used to achieve primary and secondary disinfection, procedures for monitoring and recording in-process parameters and procedures necessary for the operation and maintenance of any alterations to the DWS.

The operations and maintenance manual(s) was reviewed and met the requirements of Section 16 of the MDWL at the time of the inspection.

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.**

The facility is contained in a fenced-in area equipped with a locked gate.

Certification and Training

- **The overall responsible operator had been designated for each subsystem.**

Subsection 23(1) of Ontario Regulation 128/04 states that the owner or operating authority of a municipal residential subsystem shall designate an overall responsible operator (ORO). The ORO shall be an operator who holds a certificate for that type of subsystem and that is of the same class as or higher than the class of that subsystem.

The Millbrook DWS is classified as a Class 2 Water Distribution and Supply Subsystem. The designated ORO's at the time of the inspection, hold the required certification.

- **Operators-in-charge had been designated for all subsystems which comprised the drinking water system.**

Subsection 25(1) of Ontario Regulation 128/04 states that the owner or operating authority of a subsystem shall designate one or more operators as operators-in-charge (OIC) of the subsystem. Subsection 25(5) states that a person who holds an operator-in-training certificate shall not be designated as an OIC. Duties of the OIC are listed in Section 26 of O.Reg. 128/04.

The Millbrook DWS is in compliance with this legislated requirement.

- **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 were being met.**

Ontario Regulation 170/03, Section 10.2 requires the owner/operating authority of the drinking water system to ensure that if the system serves 100,000 people or less, at least eight distribution samples, plus one additional distribution sample for every 1,000 people served by the system, are taken every month, with at least one of the samples being taken in each week. These samples are to be tested for E.coli (EC), total coliforms (TC) with 25% of the samples be analysed for heterotrophic plate count (HPC).

The Millbrook DWS serves a reported population of 1200, the drinking water system is required to take a minimum

Water Quality Monitoring

of nine (9) samples in the distribution system. According to Standard Operating Procedure, SOP-19-005, the distribution system is sampled at least 4 times per week for TC, EC and HPC.

- **All microbiological water quality monitoring requirements for treated samples were being met.**

Ontario Regulation 170/03, Section 10-3 requires the owner/operating authority of the drinking water system to ensure that a water sample is taken at least once every week of the treated water and tested for EC, TC and HPC. Weekly samples were taken and tested for EC, TC and HPC.

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

Ontario Regulation 170/03, Schedule 13-2 requires the owner/operating authority of the drinking water system to ensure that at least one treated water sample is taken every thirty-six (36) months and tested for inorganic parameters set out in Schedule 23, if the system obtains water from a raw water source that is ground water. Treated water samples were taken on January 21, 2019 and tested for inorganic parameters set out in Schedule 23.

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

Ontario Regulation 170/03, Schedule 13-4 requires that the owner/operating authority of the drinking water system to ensure that at least one treated water sample is taken every thirty-six (36) months and tested for organic parameters set out in Schedule 24, if the system obtains water from a raw water source that is ground water. Treated water samples were taken on January 21, 2019 and tested for organic parameters set out in Schedule 24.

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

Ontario Regulation 170/03, Section 13-6.1 requires the owner/operating authority of a drinking water system that provides chlorination to ensure that at least one distribution sample is taken in each calendar quarter, from a point in the drinking water system's distribution system or plumbing that is connected to the drinking water system that is likely to have an elevated potential for the formation of haloacetic acids (HAAs). Quarterly samples from the distribution were taken and tested for HAA's. Sample months for the inspection period were October 2018, January, April, and July 2019.

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

Ontario Regulation 170/03, Schedule 13-6, requires the owner of the drinking water system that provides chlorination, to ensure that at least one distribution sample is taken every three (3) months from a point in the distribution system, or plumbing that is connected to the drinking water system, that is likely to have an elevated potential for the formation of trihalomethanes. Quarterly samples from the distribution were taken and tested for THMs. Sample months for the inspection period were October 2018, January, April, and July 2019.

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

Ontario Regulation 170/03, Schedule 13-7, requires the owner/operating authority of the drinking water system to ensure that at least one water sample is taken every three (3) months and tested for nitrates and nitrites in the treated water.

The Millbrook DWS is in compliance with this requirement. Quarterly samples from the treated were taken and tested for nitrates and nitrites. Sample dates for the inspection period were October 2018, January, April, and July 2019.

Water Quality Monitoring

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

Ontario Regulation 170/03, Schedule 13-8, requires the owner/operating authority of the drinking water system to ensure that at least one water sample is taken every sixty (60) months in the treated water and tested for sodium. The Millbrook DWS is in compliance with this legislated requirement. The last sample for sodium was taken on May 29, 2019.

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

Ontario Regulation 170/03, Schedule 13-9, requires the owner/operating authority of the drinking water system to ensure that at least one water sample is taken every sixty (60) months in the treated water and tested for fluoride. The Millbrook DWS is in compliance with this legislated requirement. The last sample for fluoride was taken on June 17, 2019.

- **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.**

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

SIGNATURES

Inspected By:

Holie Williams


Signature: (Provincial Officer)



Reviewed & Approved By:

Jackie Fuller

Signature: (Supervisor)


Oct 10/19

Review & Approval Date:

09/10/2019

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.



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

Ministry of the Environment - Inspection Summary Rating Record (Reporting Year - 2019-2020)

DWS Name:	MILLBROOK DRINKING WATER SYSTEM
DWS Number:	220000781
DWS Owner:	Cavan Monaghan, The Township Of
Municipal Location:	Cavan-Millbrook-North Monaghan

Regulation: O.REG 170/03
Category: Large Municipal Residential System
Type Of Inspection: Focused
Inspection Date: September 11, 2019
Ministry Office: Peterborough District

Maximum Question Rating: 429

Inspection Module	Non-Compliance Rating
Source	0 / 14
Capacity Assessment	0 / 30
Treatment Processes	0 / 56
Operations Manuals	0 / 28
Logbooks	0 / 14
Certification and Training	0 / 42
Water Quality Monitoring	0 / 112
Reporting & Corrective Actions	0 / 21
Treatment Process Monitoring	0 / 112
TOTAL	0 / 429

Inspection Risk Rating	0.00%
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FINAL INSPECTION RATING:	100.00%
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Ministry of the Environment - Detailed Inspection Rating Record (Reporting Year - 2019-2020)

DWS Name: MILLBROOK DRINKING WATER SYSTEM
DWS Number: 220000781
DWS Owner: Cavan Monaghan, The Township Of
Municipal Location: Cavan-Millbrook-North Monaghan

Regulation: O.REG 170/03
Category: Large Municipal Residential System
Type Of Inspection: Focused
Inspection Date: September 11, 2019
Ministry Office: Peterborough District

Maximum Question Rating: 429

Inspection Risk Rating | 0.00%

FINAL INSPECTION RATING: | 100.00%