

Ministry of the Environment,
Conservation & Parks

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

Owen Sound District Office

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March 16, 2021

Sent by Email: mrwalden@huronkinloss.com

Township of Huron-Kinloss
21 Queen Street
P.O. Box 130
Ripley, ON
N2Z 2X6

Attention: Ms. Mary Rose Walden
CAO

Dear Ms. Walden,

Re: 2020-2021 Huronville Subdivision Distribution System Inspection Report No. 1-OEBTH
Municipal Drinking Water Licence No. 087-101, Issue No. 2
Drinking Water Works Permit No. 087-201, Issue No. 2

The enclosed report documents findings of the inspection that was performed on February 17, 2021.

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](#)

(<https://www.ontario.ca/page/taking-care-your-drinking-water-guide-members-municipal-councils>), 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,



Bob Graham

Provincial Officer
Drinking Water and Environmental Compliance Division
Ministry of the Environment, Conservation and Parks
Owen Sound District Office 101-17th Street East
Owen Sound ON N4K 0A5
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Enclosure

cc: Dr. Ian Arra, Medical Officer of Health, Grey-Bruce Health Unit
Mark Smith, Drinking Water Inspections Program Supervisor
Carl Seider, Project Manager, Source Water Protection Program
Donna Hardman, Compliance Officer, Municipality of Kincardine
Jeff Johnston, Overall Responsible Operator, Municipality of Kincardine
Adam Weishar, Director of Public Works, Municipality of Kincardine

c: File SI-BR-HK-LA-540 (2020)



Ministry of the Environment, Conservation and Parks

**HURONVILLE SUBDIVISION DISTRIBUTION SYSTEM
Inspection Report**

Site Number:	260046709
Inspection Number:	1-OEBTH
Date of Inspection:	Feb 17, 2021
Inspected By:	Robert Graham

OWNER INFORMATION:

Company Name:	HURON-KINLOSS, THE CORPORATION OF THE TOWNSHIP OF	Unit Identifier:	
Street Number:	21		
Street Name:	QUEEN ST		
City:	RIPLEY		
Province:	ON	Postal Code:	N0G 2R0

CONTACT INFORMATION

Type:	Compliance Officer	Name:	DONNA HARDMAN
Phone:	(519) 396-4660	Fax:	(519) 396-4673
Email:	dhardman@bmts.com		
Title:	Municipality of Kincardine		

Type:	Operator	Name:	Jeff Johnston
Phone:	(519) 396-4660	Fax:	(519) 396-4673
Email:	jjohnston@kincardine.ca		
Title:	Overall Responsible Operator - Acting Water and Wastewater Supervisor		

Type:	Owner	Name:	Mary-Rose Walden
Phone:	(519) 395-3735	Fax:	(519) 395-4107
Email:	hurontwp@hurontel.on.ca		
Title:	CAO		

INSPECTION DETAILS:

Site Name:	HURONVILLE SUBDIVISION DISTRIBUTION SYSTEM
Site Address:	155 DURHAM Street KINCARDINE ON N2Z 1A4
County/District:	HURON-KINLOSS
MECP District/Area Office:	Owen Sound Area Office
Health Unit:	GREY BRUCE HEALTH UNIT
Conservation Authority:	Saugeen Conservation
MNR Office:	Owen Sound Regional Office
Category:	Small Municipal Residential
Site Number:	260046709
Inspection Type:	Announced
Inspection Number:	1-OEBTH
Date of Inspection:	Feb 17, 2021
Date of Previous Inspection:	Sep 18, 2019

COMPONENTS DESCRIPTION

Site (Name):	MOE DWS Mapping	Sub Type:	
Type:	DWS Mapping Point		

Site (Name): DISTRIBUTION WATER

Type: Other**Sub Type:****Comments:**

The Huronville Subdivision Distribution System is owned by the Township of Huron-Kinloss and is supplied water and operated by the Municipality of Kincardine. There is a written agreement in place which states that the Municipality of Kincardine will provide secondary disinfection and sample and test the system as part of the Kincardine distribution system.

The Huronville Subdivision Distribution System contains mains, lateral connections, valves and hydrants. The Huronville Distribution System supplies approximately 90 customers with water and each user is metered. There is no cumulative flow meter for the entire distribution system.

The Township of Huron-Kinloss has installed a valve connecting the Lakeshore Well Supply to the Huronville Subdivision Distribution System and/or the Town of Kincardine should an emergency occur with Kincardine's water supply and a back-up source is needed.

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 policies and guidelines during the inspection period.

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

This report is based on an inspection of a "stand alone connected distribution system". This type of system receives treated water from a separately owned "donor" system. This report contains the elements required to assess key compliance and conformance issues associated with a "receiver" system. This report does not contain items associated with the inspection of the donor system, such as source waters, intakes/wells and treatment facilities.

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 February 17, 2021, Ministry of the Environment, Conservation and Parks (MECP) Provincial Officer Bob Graham conducted an announced focused inspection of the Huronville Distribution System (DS). The Huronville DS is owned by the Township of Huron-Kinloss (Owner) and operated by the Municipality of Kincardine (Operating Authority). Assistance with the inspection was provided by Kincardine drinking water staff members Jeff Johnston, Acting Supervisor Water Services and Overall Responsible Operator (ORO) and Joel Muir, Operator in Training. During the inspection review period, from September 18, 2019 to February 17, 2021, the date of inspection, there were no Adverse Water Quality Incidents (AWQI) reported to the MECP Spills Action Centre (SAC).

Treatment Processes

- Where an activity has occurred that could introduce contamination, all parts of the drinking water system were disinfected in accordance with Schedule B, Condition 2.3 of the Drinking Water Works Permit.

Treatment Process Monitoring

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

Distribution System

- The receiving system was claiming exemptions to O. Reg. 170/03 available under subsection 5(4), and the agreement with the donor satisfied the requirements prescribed by subsection 5(4).

The written agreement between the Township of Huron-Kinloss and the Municipality of Kincardine allows for

Distribution System

Kincardine to provide water to the Huronville Subdivision and to treat this stand alone distribution system as part of their distribution system.

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.

Logbooks

- Logbooks were properly maintained and contained the required information.
- 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.

Certification and Training

- The overall responsible operator had been designated for each subsystem.
The designated overall responsible operator is Jeff Johnston.
- Operators-in-charge had been designated for all subsystems which comprised the drinking water system.
- All operators possessed the required certification.

Water Quality Monitoring

- All microbiological water quality monitoring requirements for distribution samples prescribed by legislation were being met.
- 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 (1) of Schedule 13, O.Reg.170/03 requires the Owner/Operator to ensure that at least one distribution sample is taken every 3 months from a point in the drinking water system's distribution system that is connected to the drinking water system, that is likely to have an elevated potential for the formation of Haloacetic Acids (HAAs), and tested for HAAs. 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. A drinking water quality standard of 80 micrograms per Litre (ug/L) for HAAs took effect under O.Reg.169/03 "Ontario Drinking Water Quality Standards" (ODWQS) on January 1, 2020. It is expressed as a Running Annual Average (RAA), where the RAA is defined as the average for quarterly HAAs results for a drinking water system. HAAs will generally form at the beginning of the distribution system. During the inspection review time period, sampling occurred on October 7, 2019, January 13, April 20, July 6, and October 13, 2020 and January 11, 2021 and there were no concerns identified with the sample results.

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

Water Quality Monitoring

Section 13-6 of Schedule 13, O.Reg.170/03 requires the Owner/Operator 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, 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. A drinking water quality standard of 100 micrograms per Litre (ug/L) for THMs is in effect under O.Reg.169/03 "Ontario Drinking Water Quality Standards" (ODWQS). It is expressed as a Running Annual Average (RAA), where the RAA is defined as the average for quarterly THMs results for a drinking water system. During the inspection review time period, sampling occurred on October 7, 2019, January 13, April 20, July 6, October 5 and October 13, 2020 and January 11, 2021 and there were no concerns identified with the sample results.

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

Reporting & Corrective Actions

- **All changes to the system registration information were provided within ten (10) days of the change.**

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:
Robert Graham

Signature: (Provincial Officer)



Reviewed & Approved By:
Mark Smith

Signature: (Supervisor)



Review & Approval Date:

March 16, 2021

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.



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

APPENDIX A

INSPECTION SUMMARY RATING RECORD

Ministry of the Environment - Inspection Summary Rating Record (Reporting Year - 2020-2021)

DWS Name: HURONVILLE SUBDIVISION DISTRIBUTION SYSTEM
DWS Number: 260046709
DWS Owner: Huron-Kinloss, The Corporation Of The Township Of
Municipal Location: Huron-Kinloss

Regulation: O.REG 170/03
Category: Small Municipal Residential System
Type Of Inspection: Adhoc
Inspection Date: February 17, 2021
Ministry Office: Owen Sound District Office

Maximum Question Rating: 171

Inspection Module	Non-Compliance Rating
Treatment Processes	0 / 21
Operations Manuals	0 / 28
Logbooks	0 / 18
Certification and Training	0 / 28
Water Quality Monitoring	0 / 51
Reporting & Corrective Actions	0 / 4
Treatment Process Monitoring	0 / 21
TOTAL	0 / 171

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 - 2020-2021)

DWS Name: HURONVILLE SUBDIVISION DISTRIBUTION SYSTEM
DWS Number: 260046709
DWS Owner: Huron-Kinloss, The Corporation Of The Township Of
Municipal Location: Huron-Kinloss

Regulation: O.REG 170/03
Category: Small Municipal Residential System
Type Of Inspection: Adhoc
Inspection Date: February 17, 2021
Ministry Office: Owen Sound District Office

Maximum Question Rating: 171

Inspection Risk Rating | 0.00%

FINAL INSPECTION RATING: | 100.00%

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



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

APPENDIX B

REFERENCE GUIDE FOR STAKEHOLDERS