

Ministry of the Environment,  
Conservation and Parks

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

Southwestern Region

Direction régionale du Sud-Ouest

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File# SI-LA-OS-540

September 13, 2021

Village of Oil Springs  
4591 Oil Springs Line  
P.O. Box 22  
Oil Springs, ON  
N0N 1P0

Attention: Lynda Thornton, Clerk-Treasurer  
clerk@oilsprings.ca

Dear Ms. Thornton;

Re: Oil Springs Water Distribution System  
Inspection Report

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Please find enclosed the Drinking Water System Inspection Report for the inspection that was conducted at the Oil Springs Water Distribution System (DWS#260046761). This year's unannounced inspection was conducted remotely and the telephone interview/questionnaire was held on August 26, 2021. There was no physical inspection conducted at your drinking water system this year.

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 on the Drinking Water Ontario website at [www.ontario.ca/drinkingwater](http://www.ontario.ca/drinkingwater).

In order to measure individual inspection results, the Ministry has established an inspection compliance risk framework based on the principles of the Inspection, Investigation & Enforcement

(II&E) Secretariat and advice of internal/external risk experts. The Inspection Summary Rating Record (IRR) provides the Ministry, the system owner and the local Public Health Units with a summarized quantitative measure of the drinking water system's annual inspection and regulated water quality testing performance.

Please note that due to a change in IT systems, the Inspection Rating Report (IRR) cannot be generated at the same time as the inspection report. The IRR will be sent separately and prior to any public release (typically within 1-2 month of the completion of the inspection).

IRR ratings are published (for the previous inspection year) in the Ministry's Chief Drinking Water Inspectors' Annual Report. If you have any questions or concerns regarding the rating, please contact Marc Bechard, Water Compliance Supervisor, at (519) 490-0761.

Likewise, if you have any questions or concerns regarding this report, please call me at (226) 280-1556.

Yours truly,



Neil Gilbert, P.Eng.  
Provincial Officer – Water Inspector  
Southwestern Region  
Ministry of the Environment, Conservation and Parks  
Sarnia District – Windsor Area Office

Encl.

cc: Dr. Christopher Greensmith, MOH (A), Lambton Health Services, [dr.greensmith@county-lambton.on.ca](mailto:dr.greensmith@county-lambton.on.ca)  
Chad Ikert, Manager Health Protection, Lambton Health Services, [chad.ikert@county-lambton.on.ca](mailto:chad.ikert@county-lambton.on.ca)  
Lori Lucas, Supervisor Health Protection, Lambton Health Services, [lori.lucas@county-lambton.on.ca](mailto:lori.lucas@county-lambton.on.ca)  
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Marc Bechard, Water Compliance Supervisor, MECP Sarnia District, [marc.bechard@ontario.ca](mailto:marc.bechard@ontario.ca)

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**Appendix A: Stakeholder Appendix**



OIL SPRINGS WATER DISTRIBUTION SYSTEM  
4591 OIL SPRINGS LINE, OIL SPRINGS, ON, N0N 1P0  
**Inspection Report**

|                        |              |
|------------------------|--------------|
| System Number:         | 260046761    |
| Inspection Start Date: | 08/26/2021   |
| Inspection End Date:   | 09/13/2021   |
| Inspected By:          | Neil Gilbert |
| Badge #:               | 1072         |



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(signature)

**NON-COMPLIANCE/NON-CONFORMANCE ITEMS**

This should not be construed as a confirmation of full compliance with all potential applicable legal requirement and BMPs. These inspection findings are limited to the components and/or activities that were assessed, and the legislative framework(s) that were applied. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements.

If you have any questions related to this inspection, please contact the undersigned Provincial Officer.

### INSPECTION DETAILS

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

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

|   |                      |                                |
|---|----------------------|--------------------------------|
| <b>Question ID</b>  | MRDW1001000          |                                |
| <b>Question</b>   | <b>Question Type</b> | <b>Legislative Requirement</b> |
| What was the scope of this inspection?  | Information          | Not Applicable                 |
| <b>Observation</b>  |                      |                                |
| <p>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. 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.</p> <p>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.</p> <p>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. This unannounced inspection was conducted remotely and the inspection review period was June 24, 2020 to July 31, 2021.</p> |                      |                                |

|   |                      |                                |
|---|----------------------|--------------------------------|
| <b>Question ID</b>  | MRDW1000000          |                                |
| <b>Question</b>   | <b>Question Type</b> | <b>Legislative Requirement</b> |
| Does this drinking water system provide primary disinfection?   | Information          | Not Applicable                 |
| <b>Observation</b>  |                      |                                |
| <p>This Drinking Water System provides for only secondary disinfection and distribution of water. Primary disinfection is undertaken by another regulated Drinking Water System which provides treated water to this Drinking Water System.</p> |                      |                                |

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|--|----------------------|---|
| <b>Question ID</b>   | MRDW1033000          |   |
| <b>Question</b>  | <b>Question Type</b> | <b>Legislative Requirement</b>  |
| Is the secondary disinfectant residual measured as required for the large municipal residential distribution system? | Legislative          | SDWA   O. Reg. 170/03   7-2   (3),<br>SDWA   O. Reg. 170/03   7-2   (4) |

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| <b>Observation</b>   |
| <p>The secondary disinfectant residual was measured as required for the distribution system. As per O.Reg. 170/03 s 7-2 (3), the owner/operating authority of a system that provides secondary disinfection shall ensure that at least seven distribution samples are taken each week and are tested immediately for, (a) free chlorine residual, if the system provides chlorination and does not provide chloramination; or (b) combined chlorine residual, if the system provides chloramination. The following rules apply to the distribution samples referred above unless at least one sample is taken on each day of the week: At least four of the samples must be taken on one day of the week, at least 48 hours after the last sample was taken in the previous week. Then, at least three of the samples must be taken on a second day of the week, at least 48 hours after the last sample was taken on the first day of the sampling week. When more than one sample is taken on the same day of the week then each sample must be taken from a different location.</p> <p>During the inspection review period (June 24, 2020 to July 31, 2021) at least seven distribution samples were collected each week using the 4/3 rule and tested for free chlorine residuals.</p> |

|  |   |                                |
|--|---|--------------------------------|
| <b>Question ID</b>   | MRDW1025000   |                                |
| <b>Question</b>  | <b>Question Type</b>  | <b>Legislative Requirement</b> |
| Were all parts of the drinking water system that came in contact with drinking water (added, modified, replaced or extended) disinfected in accordance with a procedure listed in Schedule B of the Drinking Water Works Permit? | Legislative   | SDWA   31   (1)                |
| <b>Observation</b>   | All parts of the drinking water system were disinfected in accordance with a procedure listed in Schedule B of the Drinking Water Works Permit. |                                |

|   |  |                                |
|---|--|--------------------------------|
| <b>Question ID</b>  | MRDW1062000  |                                |
| <b>Question</b>   | <b>Question Type</b>   | <b>Legislative Requirement</b> |
| Do records or other record keeping mechanisms confirm that operational testing not performed by continuous monitoring equipment is being done by a certified operator, water quality analyst, or person who meets the requirements of O. Reg. 170/03 7-5? | Legislative  | SDWA   O. Reg. 170/03   7-5    |
| <b>Observation</b>  | 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. |                                |

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|--|----------------------|--------------------------------|
| <b>Question ID</b>   | MRDW1060000          |                                |
| <b>Question</b>  | <b>Question Type</b> | <b>Legislative Requirement</b> |
| Do the operations and maintenance manuals meet the requirements of the DWWP and MDWL issued under Part V | Legislative          | SDWA   31   (1)                |



|  |  |  |
|--|--|--|
| of the SDWA?   |  |  |
| <b>Observation</b>   |  |  |
| 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. |  |  |

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|---|----------------------|----------------------------------|
| <b>Question ID</b>  | MRDW1073000          |                                  |
| <b>Question</b>   | <b>Question Type</b> | <b>Legislative Requirement</b>   |
| Has the overall responsible operator been designated for all subsystems which comprise the drinking water system? | Legislative          | SDWA   O. Reg. 128/04   23   (1) |
| <b>Observation</b>  |                      |                                  |
| The overall responsible operator has been designated for each subsystem.  |                      |                                  |

|   |                      |                                  |
|---|----------------------|----------------------------------|
| <b>Question ID</b>  | MRDW1074000          |                                  |
| <b>Question</b>   | <b>Question Type</b> | <b>Legislative Requirement</b>   |
| Have operators in charge been designated for all subsystems for which comprise the drinking water system? | Legislative          | SDWA   O. Reg. 128/04   25   (1) |
| <b>Observation</b>  |                      |                                  |
| Operators-in-charge had been designated for all subsystems which comprised the drinking water system.     |                      |                                  |

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|--|----------------------|--------------------------------|
| <b>Question ID</b>                                   | MRDW1075000          |                                |
| <b>Question</b>                                      | <b>Question Type</b> | <b>Legislative Requirement</b> |
| Do all operators possess the required certification? | Legislative          | SDWA   O. Reg. 128/04   22     |
| <b>Observation</b>                                   |                      |                                |
| All operators possessed the required certification.  |                      |                                |

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|---|----------------------|--------------------------------|
| <b>Question ID</b>  | MRDW1099000          |                                |
| <b>Question</b>   | <b>Question Type</b> | <b>Legislative Requirement</b> |
| Do records show 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)? | Information          | Not Applicable                 |
| <b>Observation</b>  |                      |                                |
| 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).    |                      |                                |

|   |                      |                                   |
|---|----------------------|-----------------------------------|
| <b>Question ID</b>  | MRDW1096000          |                                   |
| <b>Question</b>   | <b>Question Type</b> | <b>Legislative Requirement</b>    |
| Do records confirm that chlorine residual tests are being conducted at the same time and at the same location that microbiological samples are obtained?  | Legislative          | SDWA   O. Reg. 170/03   6-3   (1) |
| <b>Observation</b>  |                      |                                   |
| Records confirmed that chlorine residual tests were being conducted at the same time and at the same location that microbiological samples were obtained. |                      |                                   |

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|--|----------------------|--|
| <b>Question ID</b>   | MRDW1081000          |  |
| <b>Question</b>  | <b>Question Type</b> | <b>Legislative Requirement</b>   |
| Are all microbiological water quality monitoring requirements for distribution samples being met?  | Legislative          | SDWA   O. Reg. 170/03   10-2   (1),SDWA   O. Reg. 170/03   10-2   (2),SDWA   O. Reg. 170/03   10-2   (3) |
| <b>Observation</b>   |                      |  |
| All microbiological water quality monitoring requirements for distribution samples were being met. As per O.Reg. 170/03 s10-2, the owner/operating authority for the system shall ensure that if a system serves 100,000 people or less, at least eight distribution samples, plus one additional sample for every 1,000 people served, are taken every month, with at least one sample being taken each week. Each of the distribution samples collected must be tested for E. coli and total coliforms and at least 25 percent of these samples must be tested for general bacteria population expressed as colony counts on a heterotrophic plate count (HPC).<br>During the inspection review period (June 24, 2020 to July 31, 2021) all microbiological water monitoring requirements for distribution water samples were performed. |                      |  |

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|---|----------------------|--|
| <b>Question ID</b>  | MRDW1086000          |  |
| <b>Question</b>   | <b>Question Type</b> | <b>Legislative Requirement</b>   |
| Are all haloacetic acid water quality monitoring requirements prescribed by legislation conducted within the required frequency and at the required location? | Legislative          | SDWA   O. Reg. 170/03   13-6.1   (1),SDWA   O. Reg. 170/03   13-6.1   (2),SDWA   O. Reg. 170/03   13-6.1   (3), SDWA   O. Reg. 170/03   13-6.1   (4),SDWA   O. |

|   |  |   |
|---|--|---|
|   |  | Reg. 170/03   13-6.1   (5),SDWA   O. Reg. 170/03   13-6.1   (6) |
| <b>Observation</b>  |  |   |
| <p>All haloacetic acid water quality monitoring requirements prescribed by legislation are being conducted within the required frequency and at the required location. As per O.Reg 170/03 s13-6.1, the owner/operating authority shall ensure that a minimum of one sample is collected and tested for haloacetic acid (HAA) per calendar quarter.</p> <p>On January 1, 2020, the O.Reg. 169/03 standard for HAA (80ug/L) came into effect and is expressed as a RAA, where RAA is defined as "the running annual average of quarterly results" for HAA for a drinking water system.</p> <p>During the inspection review period (June 24, 2020 to July 31, 2021), these HAA samples were collected on July 7, 2020 (HAA result = 28.8ug/L), Oct. 6, 2020 (HAA result = 36.4ug/L), Jan. 5, 2021 (HAA result = 27.4ug/L), Apr. 7, 2021 (HAA result = 35.0ug/L) and July 6, 2021 (HAA result = 28.6ug/L). All of these HAA results were below 80ug/L and the average for the inspection review period was 31.2ug/L.</p> |  |   |

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|--|----------------------|------------------------------------|
| <b>Question ID</b>   | MRDW1087000          |                                    |
| <b>Question</b>  | <b>Question Type</b> | <b>Legislative Requirement</b>     |
| Have all trihalomethane water quality monitoring requirements prescribed by legislation been conducted within the required frequency and at the required location?   | Legislative          | SDWA   O. Reg. 170/03   13-6   (1) |
| <b>Observation</b>   |                      |                                    |
| <p>All trihalomethane water quality monitoring requirements prescribed by legislation were conducted within the required frequency and at the required location. As per O.Reg 170/03 s13-6, the owner/operating authority shall ensure that a minimum of one sample is collected and tested for trihalomethanes (THM) per calendar quarter.</p> <p>During the inspection review period (June 24, 2020 to July 31, 2021) these quarterly THM samples were collected on July 7, 2020 (THM result = 60ug/L), Oct. 6, 2020 (THM result = 69ug/L), Jan. 5, 2021 (THM result = 38ug/L), Apr. 7, 2021 (THM result = 45ug/L) and July 6, 2021 (THM result = 58ug/L).</p> <p>The Ontario Drinking Water Quality Standard (ODWQS) for THM is 100 ug/L (expressed as a running annual average of quarterly results). All of the THM results were below 100ug/L and the average for the inspection review period was 54ug/L.</p> |                      |                                    |

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|--|----------------------|--------------------------------|
| <b>Question ID</b>   | MRDW1100000          |                                |
| <b>Question</b>  | <b>Question Type</b> | <b>Legislative Requirement</b> |
| Did any reportable adverse/exceedance conditions occur during the inspection period? | Information          | Not Applicable                 |
| <b>Observation</b>   |                      |                                |
| There were no reportable adverse/exceedances during the inspection period.           |                      |                                |

|   |                      |                                    |  |
|---|----------------------|------------------------------------|--|
| <b>Question ID</b>  | MRDW1113000          |                                    |  |
| <b>Question</b>   | <b>Question Type</b> | <b>Legislative Requirement</b>     |  |
| Have all changes to the system registration information been provided to the Ministry within ten (10) days of the change? | Legislative          | SDWA   O. Reg. 170/03   10.1   (3) |  |
| <b>Observation</b>  |                      |                                    |  |
| All changes to the system registration information were provided within ten (10) days of the change.                      |                      |                                    |  |

|   |                      |                                |  |
|---|----------------------|--------------------------------|--|
| <b>Question ID</b>  | MRDW1059000          |                                |  |
| <b>Question</b>   | <b>Question Type</b> | <b>Legislative Requirement</b> |  |
| Do the operations and maintenance manuals contain plans, drawings and process descriptions sufficient for the safe and efficient operation of the system? | Legislative          | SDWA   O. Reg. 128/04   28     |  |
| <b>Observation</b>  |                      |                                |  |
| The operations and maintenance manuals contained plans, drawings and process descriptions sufficient for the safe and efficient operation of the system.  |                      |                                |  |

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|---|----------------------|--|--|
| <b>Question ID</b>  | MRDW1061000          |  |  |
| <b>Question</b>   | <b>Question Type</b> | <b>Legislative Requirement</b>   |  |
| Are logbooks properly maintained and contain the required information?    | Legislative          | SDWA   O. Reg. 128/04   27   (1),<br>SDWA   O. Reg. 128/04   27   (2),<br>SDWA   O. Reg. 128/04   27   (3),<br>SDWA   O. Reg. 128/04   27   (4),<br>SDWA   O. Reg. 128/04   27   (5),<br>SDWA   O. Reg. 128/04   27   (6),<br>SDWA   O. Reg. 128/04   27   (7) |  |
| <b>Observation</b>  |                      |  |  |
| Logbooks were properly maintained and contained the required information. |                      |  |  |



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**Stakeholder Appendix**

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# 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](mailto:waterforms@ontario.ca).

For more information on Ontario's drinking water visit [www.ontario.ca/drinkingwater](http://www.ontario.ca/drinkingwater)



| PUBLICATION TITLE  | PUBLICATION NUMBER                  |
|--|-------------------------------------|
| <b>FORMS:</b><br>Drinking Water System Profile Information<br>Laboratory Services Notification<br>Adverse Test Result Notification | 012-2149E<br>012-2148E<br>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](mailto: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](http://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              |