

Ministry of the  
Environment,  
Conservation  
and Parks

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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  
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Peterborough  
(Ontario) K9J 3C7



July 14, 2022.

Trisha Mckibbin,  
Chief Administrative Officer,  
The Corporation of The Township of Minden Hills  
7 Milne Street, Post Office Box Delivery 359  
Minden, ON, K0M 2K0

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**RE: 2022/23 Lutterworth Pines Drinking Water System Inspection Report 1-106477840**

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Please see the attached Ministry of the Environment, Conservation and Parks inspection report for the compliance inspection initiated for the Lutterworth Pines Drinking Water System on June 21, 2022.

A section of the report entitled **NON-COMPLIANCE** are typically linked to incidents of non-compliance with regulatory requirements contained within the Environmental Compliance Approval and its associated Acts and Regulations. It should be noted that there were no violations identified during this inspection. **Non-Conformance Items** convey information that the owner or operating authority should consider implementing to advance efforts already in place. Please note that items which appear as recommendations do not, in themselves, constitute violations.

Thank you for the assistance afforded to me during this compliance assessment. Please do not hesitate to call me at 705-768-9502 or Ms. Jacqueline Fuller, Supervisor, Safe Drinking Water Branch 705-768-0423, should you have any questions or concerns regarding the above.

Yours truly,

Corey Biswanger  
Water Inspector  
Peterborough District Office

Enclosure (1)

Cc: Natalie Bocking, Medical Officer of Health, Haliburton Kawartha Pine Ridge Health Unit  
Julie Preslie, Process Compliance Technician, OCWA Kawartha Hub  
Rhonda Bateman, CAO/Secretary-Treasurer, Lower Trent Conservation Authority  
Mike Timmins, Director of Public Works, The Corporation of The Township of Minden Hills  
Jeremy Manning, Senior Operations Manager, OCWA Kawartha Hub



LUTTERWORTH PINES DRINKING WATER SYSTEM  
11588 HWY 35, MINDEN HILLS, ON, K0M 2K0  
**Inspection Report**

System Number: 260091936  
Entity: CORPORATION OF THE  
TOWNSHIP OF MINDEN HILLS  
ONTARIO CLEAN WATER  
AGENCY

Inspection Start Date: 06/21/2022  
Inspection End Date: 06/21/2022  
Inspected By: Corey Biswanger  
Badge #: 1814

  
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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 signed Provincial Officer.

### INSPECTION DETAILS

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

**Ministry Program:** DRINKING WATER | **Regulated Activity:**

Question ID	MRDW1001001	Question Type	Information
<b>Question:</b> What was the scope of this inspection?			
Legislative Requirement	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 inspection period covers the time from August 1, 2021, to June 21, 2022.</p>			

Question ID	MRDW1000001	Question Type	Information
<b>Question:</b> Does this drinking water system provide primary disinfection?			
Legislative Requirement	Not Applicable		
<b>Observation</b>			
This Drinking Water System provides for both primary and secondary disinfection and distribution of water.			

Question ID	MRDW1018001	Question Type	Legislative
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<b>Question:</b>	
Has the owner ensured that all equipment is installed in accordance with Schedule A and Schedule C of the Drinking Water Works Permit?	
<b>Legislative Requirement</b>	SDWA   31   (1);
<b>Observation</b>	
The owner had ensured that all equipment was installed in accordance with Schedule A and Schedule C of the Drinking Water Works Permit.	

<b>Question ID</b>	MRDW1021001	<b>Question Type</b>	Legislative
<b>Question:</b>			
Is the owner/operating authority able to demonstrate that, when required during the inspection period, Form 2 documents were prepared in accordance with their Drinking Water Works Permit?			
<b>Legislative Requirement</b>	SDWA   31   (1);		
<b>Observation</b>			
The owner/operating authority was in compliance with the requirement to prepare Form 2 documents as required by their Drinking Water Works Permit during the inspection period. Review of the documents provided indicated that there was a signed Form 2 and Director Notification on June 2, 2022 for the uranium removal filters. The Form 2 and Director Notification were for the addition of a third resin filter to act as a polisher and to be used when resin needs to be changed in other filters.			

<b>Question ID</b>	MRDW1114001	<b>Question Type</b>	Legislative
<b>Question:</b>			
Does the owner have evidence that, when required, all legal owners associated with the DWS were notified of the requirements of the Licence & Permit?			
<b>Legislative Requirement</b>	SDWA   31   (1);		
<b>Observation</b>			
The owner had evidence that required notifications to all legal owners associated with the Drinking Water System had been made during the inspection period.			

<b>Question ID</b>	MRDW1024001	<b>Question Type</b>	Legislative
<b>Question:</b>			
Do records confirm that the water treatment equipment which provides chlorination or			

chloramination for secondary disinfection purposes was operated as required?	
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   1-2   (2);
<b>Observation</b>	
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.	

<b>Question ID</b>	MRDW1038001	<b>Question Type</b>	Legislative
<b>Question:</b>			
Is continuous monitoring equipment that is being utilized to fulfill O. Reg. 170/03 requirements 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?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   6-5   (1)1-4;		
<b>Observation</b>			
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.			

<b>Question ID</b>	MRDW1035001	<b>Question Type</b>	Legislative
<b>Question:</b>			
Are operators examining continuous monitoring test results and are they examining the results within 72 hours of the test?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   6-5   (1)1-4; SDWA   O. Reg. 170/03   6-5   (1)5-10;		
<b>Observation</b>			
Operators were examining continuous monitoring test results and they were examining the results within 72 hours of the test.			

<b>Question ID</b>	MRDW1037001	<b>Question Type</b>	Legislative
<b>Question:</b>			
Are all continuous monitoring equipment utilized for sampling and testing required by O.			

Reg. 170/03, or MDWL or DWWP or order, equipped with alarms or shut-off mechanisms that satisfy the standards described in Schedule 6?	
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   6-5   (1)1-4; SDWA   O. Reg. 170/03   6-5   (1)5-10; SDWA   O. Reg. 170/03   6-5   (1.1);
<b>Observation</b>	
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. It was confirmed during the inspection that the low chlorine alarm set point is set at 0.7 mg/L and the low low alarm set point is 0.5 mg/L.	

<b>Question ID</b>	MRDW1040000	<b>Question Type</b>	Legislative
<b>Question:</b>			
Are all continuous analysers calibrated, maintained, and operated, in accordance with the manufacturer's instructions or the regulation?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   6-5   (1)1-4; SDWA   O. Reg. 170/03   6-5   (1)5-10;		
<b>Observation</b>			
All continuous analysers were calibrated, maintained, and operated, in accordance with the manufacturer's instructions or the regulation.			

<b>Question ID</b>	MRDW1034001	<b>Question Type</b>	Legislative
<b>Question:</b>			
Is the secondary disinfectant residual measured as required for the small municipal residential distribution system?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   7-2   (5); SDWA   O. Reg. 170/03   7-2   (6);		
<b>Observation</b>			
The secondary disinfectant residual was measured as required for the small municipal residential distribution system.			

<b>Question ID</b>	MRDW1099001	<b>Question Type</b>	Information
<b>Question:</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)?	
<b>Legislative Requirement</b>	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>	MRDW1082001	<b>Question Type</b>	Legislative
<b>Question:</b>			
For SMR systems, are all microbiological water quality monitoring requirements for distribution samples prescribed by legislation being met?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   11-2   (1); SDWA   O. Reg. 170/03   11-2   (2);		
<b>Observation</b>			
All microbiological water quality monitoring requirements prescribed by legislation for distribution samples in a small municipal residential system were being met.			

<b>Question ID</b>	MRDW1096001	<b>Question Type</b>	Legislative
<b>Question:</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?			
<b>Legislative Requirement</b>	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.			

<b>Question ID</b>	MRDW1086001	<b>Question Type</b>	Legislative
<b>Question:</b>			
Are all haloacetic acid water quality monitoring requirements prescribed by legislation conducted within the required frequency and at the required location?			
<b>Legislative Requirement</b>	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>
All haloacetic acid water quality monitoring requirements prescribed by legislation were conducted within the required frequency and at the required location.

<b>Question ID</b>	MRDW1087001	<b>Question Type</b>	Legislative
<b>Question:</b>			
Have all trihalomethane water quality monitoring requirements prescribed by legislation been conducted within the required frequency and at the required location?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   13-6   (1); SDWA   O. Reg. 170/03   13-6   (2); SDWA   O. Reg. 170/03   13-6   (3); SDWA   O. Reg. 170/03   13-6   (4); SDWA   O. Reg. 170/03   13-6   (5); SDWA   O. Reg. 170/03   13-6   (6);		
<b>Observation</b>			
All trihalomethane water quality monitoring requirements prescribed by legislation were conducted within the required frequency and at the required location.			

<b>Question ID</b>	MRDW1094001	<b>Question Type</b>	Legislative
<b>Question:</b>			
Are all water quality monitoring requirements imposed by the MDWL and DWWP being met?			
<b>Legislative Requirement</b>	SDWA   31   (1);		
<b>Observation</b>			
All water quality monitoring requirements imposed by the MDWL or DWWP issued under Part V of the SDWA were being met. Review of the documents indicates that quarterly uranium samples must be collected from the treated water. Records indicate that uranium samples were collected monthly.			

<b>Question ID</b>	MRDW1059000	<b>Question Type</b>	Legislative
<b>Question:</b>			
Do the operations and maintenance manuals contain plans, drawings and process descriptions sufficient for the safe and efficient operation of the system?			
<b>Legislative Requirement</b>	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.

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

<b>Question ID</b>	MRDW1061001	<b>Question Type</b>	Legislative
<b>Question:</b> Are logbooks properly maintained and contain the required information?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 128/04   27   (1); SDWA   O. Reg. 128/04   27   (2); SDWA   O. Reg. 128/04   27   (3); SDWA   O. Reg. 128/04   27   (4); SDWA   O. Reg. 128/04   27   (5); SDWA   O. Reg. 128/04   27   (6); SDWA   O. Reg. 128/04   27   (7);		
<b>Observation</b>			
Logbooks were properly maintained and contained the required information.			

<b>Question ID</b>	MRDW1062001	<b>Question Type</b>	Legislative
<b>Question:</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?			
<b>Legislative Requirement</b>	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.			

<b>Question ID</b>	MRDW1071000	<b>Question Type</b>	BMP
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<b>Question:</b> Has the owner provided security measures to protect components of the drinking water system?	
<b>Legislative Requirement</b>	Not Applicable
<b>Observation</b>	
The owner had provided security measures to protect components of the drinking water system.	

<b>Question ID</b>	MRDW1073001	<b>Question Type</b>	Legislative
<b>Question:</b> Has the overall responsible operator been designated for all subsystems which comprise the drinking water system?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 128/04   23   (1);		
<b>Observation</b>			
The overall responsible operator had been designated for each subsystem.			

<b>Question ID</b>	MRDW1074001	<b>Question Type</b>	Legislative
<b>Question:</b> Have operators-in-charge been designated for all subsystems for which comprise the drinking water system?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 128/04   25   (1);		
<b>Observation</b>			
Operators-in-charge had been designated for all subsystems which comprise the drinking water system.			

<b>Question ID</b>	MRDW1075001	<b>Question Type</b>	Legislative
<b>Question:</b> Do all operators possess the required certification?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 128/04   22;		
<b>Observation</b>			
All operators possessed the required certification.			

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<b>Question ID</b>	MRDW1076001	<b>Question Type</b>	Legislative
<b>Question:</b> Do only certified operators make adjustments to the treatment equipment?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   1-2   (2);		
<b>Observation</b> Only certified operators made adjustments to the treatment equipment.			

<b>Question ID</b>	MRDW1007001	<b>Question Type</b>	Legislative
<b>Question:</b> Is the owner maintaining the production well(s) in a manner sufficient to prevent entry into the well of surface water and other foreign materials?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   1-2   (1);		
<b>Observation</b> 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.			

<b>Question ID</b>	MRDW1009001	<b>Question Type</b>	Legislative
<b>Question:</b> Are measures in place to protect the groundwater and/or GUDI source in accordance with any MDWL and DWWP issued under Part V of the SDWA?			
<b>Legislative Requirement</b>	SDWA   31   (1);		
<b>Observation</b> Measures were in place to protect the groundwater and/or GUDI source in accordance with the Municipal Drinking Water Licence and Drinking Water Works Permit issued under Part V of the SDWA. The operating authority visually inspects the wells monthly and there is a standard operating procedure for below grade inspections of the wells.			

<b>Question ID</b>	MRDW1014001	<b>Question Type</b>	Legislative
<b>Question:</b> Is there sufficient monitoring of flow as required by the MDWL or DWWP issued under Part V of the SDWA?			

<b>Legislative Requirement</b>	SDWA   31   (1);
<b>Observation</b>	
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.	

<b>Question ID</b>	MRDW1016001	<b>Question Type</b>	Legislative
<b>Question:</b>			
Is the owner in compliance with the conditions associated with maximum flow rate or the rated capacity conditions in the MDWL issued under Part V of the SDWA?			
<b>Legislative Requirement</b>	SDWA   31   (1);		
<b>Observation</b>			
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.			

<b>Question ID</b>	MRDW1023001	<b>Question Type</b>	Legislative
<b>Question:</b>			
Do records indicate that the treatment equipment was operated in a manner that achieved the design capabilities required under Ontario Regulation 170/03 or a DWWP and/or MDWL issued under Part V of the SDWA at all times that water was being supplied to consumers?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   1-2   (2);		
<b>Observation</b>			
Records indicated that the treatment equipment was operated in a manner that achieved the design capabilities required under O. Reg. 170/03 or a Drinking Water Works Permit and/or Municipal Drinking Water Licence issued under Part V of the SDWA at all times that water was being supplied to consumers. Records provided during the document review indicated that the Lutterworth Drinking Water System had been operated in a manner to meet the design capabilities required under Ontario Regulation 170/03. Records reviewed included chlorine residuals at the point where primary disinfection had been achieved, logbooks, certificates of analysis, secondary disinfection residuals, and operator certificates.			

<b>Question ID</b>	MRDW1030000	<b>Question Type</b>	Legislative
<b>Question:</b>			

Is primary disinfection chlorine monitoring being conducted at a location approved by MDWL and/or DWWP issued under Part V of the SDWA, or at/near a location where the intended CT has just been achieved?	
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   7-2   (1); SDWA   O. Reg. 170/03   7-2   (2);
<b>Observation</b>	
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.	

<b>Question ID</b>	MRDW1084001	<b>Question Type</b>	Legislative
<b>Question:</b>			
Are all inorganic water quality monitoring requirements prescribed by legislation conducted within the required frequency?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   13-2;		
<b>Observation</b>			
All inorganic water quality monitoring requirements prescribed by legislation were conducted within the required frequency.			

<b>Question ID</b>	MRDW1093001	<b>Question Type</b>	Legislative
<b>Question:</b>			
If the owner is required to conduct sampling under Schedule 13 of O. Reg. 170/03, have they increased the frequency of monitoring for any Schedule 13-2 or 13-4 parameter(s) as a result of having exceeded half the value of an applicable ODWQS?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   13-5   (1); SDWA   O. Reg. 170/03   13-5   (2);		
<b>Observation</b>			
The owner was required to increase frequency of monitoring as a result of having exceeded half the value of an applicable ODWQS of a Schedule 13-2 or 13-4 parameter(s) and the increased monitoring was conducted. Review of the records for this inspection period indicates that the half MAC was exceeded for uranium on April 4, 2022. It should be noted that the Municipal Drinking Water License requires that uranium is sampled for quarterly and the operating authority samples for uranium monthly.			

<b>Question ID</b>	MRDW1088000	<b>Question Type</b>	Legislative
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<b>Question:</b> Are all nitrate/nitrite water quality monitoring requirements prescribed by legislation conducted within the required frequency for the DWS?	
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   13-7;
<b>Observation</b> All nitrate/nitrite water quality monitoring requirements prescribed by legislation were conducted within the required frequency for the DWS.	

<b>Question ID</b>	MRDW1089000	<b>Question Type</b>	Legislative
<b>Question:</b> Are all sodium water quality monitoring requirements prescribed by legislation conducted within the required frequency?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   13-8;		
<b>Observation</b> All sodium water quality monitoring requirements prescribed by legislation were conducted within the required frequency.			

<b>Question ID</b>	MRDW1090000	<b>Question Type</b>	Legislative
<b>Question:</b> Where fluoridation is not practiced, are all fluoride water quality monitoring requirements prescribed by legislation conducted within the required frequency?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   13-9;		
<b>Observation</b> All fluoride water quality monitoring requirements prescribed by legislation were conducted within the required frequency.			

<b>Question ID</b>	MRDW1085001	<b>Question Type</b>	Legislative
<b>Question:</b> Are all organic water quality monitoring requirements prescribed by legislation conducted within the required frequency?			
<b>Legislative Requirement</b>	SDWA   O. Reg. 170/03   13-4   (1); SDWA   O. Reg. 170/03   13-4   (2); SDWA   O. Reg. 170/03   13-4   (3);		
<b>Observation</b>			



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