



**Ontario Clean Water Agency**  
**Agence Ontarienne Des Eaux**

February 27, 2026

John Yungblut  
Director of Public Works  
Township of Huron-Kinloss  
21 Queen Street  
Ripley, ON, N0G 2R0

Re: Requirement under the Safe Drinking Water Act for a Summary Report

Dear Mr. Yungblut;

Attached is the 2025 Summary Report for the Whitechurch Drinking Water System for January 1<sup>st</sup> to December 31<sup>st</sup>, 2025. This report has been completed in accordance with Section 11 and Schedule 22 of O. Reg. 170/03, under the Safe Drinking Water Act.

This Summary Report is to be provided to the members of council by March 31<sup>st</sup>, 2026.

Section 12 of O. Reg. 170/03, requires the Annual Report required under Section 11 of O. Reg. 170/03 to be made available for inspection by any member of the public during normal business hours, without charge. The reports should be made available for inspection at the office of the Township, or at a location that is reasonably convenient to the users of the water system.

Please feel free to contact me should you require any additional information regarding these reports. I can be reached at 519-441-0441.

Sincerely,

Katelyn Barrowcliffe  
Process and Compliance Technician  
Midwest Region  
Ontario Clean Water Agency

cc. Geoff Aitken, Township of Huron-Kinloss, Manager of Environment Services  
Sam Smith, OCWA Regional Hub Manager  
Paul Sherban, OCWA Senior Operations Manager  
Maegan Garber, OCWA Safety, Process and Compliance Manager

# Whitechurch Drinking Water System

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Waterworks # 220008863  
System Category – Small Municipal Residential

## Annual Drinking Water Report

Prepared For: The Township of Huron-Kinloss

Reporting Period of January 1 – December 31, 2025

Issued: February 27, 2026

Revision: 0

Operating Authority:



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## Overview

This report fulfills requirements of Ontario Regulation 170/03 Section 11 and Schedule 22. The report must be made available to anyone that requests a copy of the report. By March 31, 2026 the report must be provided to members of municipal council.

## Report Availability

This system does not serve more than 10 000 residences. The annual reports will be available to residents at the Township Office as well as on the Township’s website. Notification will be at the Township Office and copies provided free of charge if requested. The Township Office is located at 21 Queen Street, Ripley, Ontario, N0G 2R0.

## System Process Description

The Whitechurch Drinking Water System (DWS) serves the community of Whitechurch located in the Township of Huron-Kinloss. The system serves an approximate population of 109.

The Whitechurch DWS consists of two (2) drilled bedrock wells. Well 1 is constructed with a 150mm inner diameter steel casing, drilled to an approximate depth of 73m. The well is equipped with a 3.7 kW submersible pump rated at 3.28 L/s at 69m TDH. Well 2 also has 150mm inner diameter steel casing and is approximately 55m deep. The well is equipped with a 3.7 kW submersible pump rated at 3.28 L/s at 69m TDH.

To meet primary and secondary disinfection requirements, the system includes a 10 m chlorine contact pipe with a diameter of 466 mm and a total volume of 1,709 L, along with two (2) 450 L retention tanks for mixing. The system is equipped with two (2) sodium hypochlorite chemical feed pumps, one dedicated to each well. For iron sequestering, due to naturally occurring iron in the groundwater, sodium silicate is added through chemical feed pumps, with one pump assigned to each well. Additional on-site equipment includes five (5) pressure tanks used to maintain system pressure. System pressure is maintained between 310–450 kPa (45–65 psi). The facility also contains a sodium hypochlorite storage tank, a sodium silicate storage tank, two raw-water flow meters (one per well), a pre-contact chlorine residual analyzer, and a treated-water chlorine analyzer. A 15 kW diesel generator and fuel system are located behind the wellhouse to provide backup power during outages. The wellhouse is fully integrated with the SCADA system, allowing for remote monitoring, as needed. The distribution system was upgraded in 2017 to 100 mm diameter (4-inch) PVC DR-18. There are two (2) designated sample stations, and two (2) blow-offs located in the distribution system. The sample stations and blow-offs are located near the dead ends of the distribution system.

## Treatment Chemicals

Sodium hypochlorite (12%) is used to provide both primary and secondary disinfection. Sodium silicate is used for iron sequestering in the Whitechurch Drinking Water System. Refer to Table 1 below for supplier information. Chemical volumes for both sodium hypochlorite and sodium silicate are routinely monitored in the Whitechurch Drinking Water System. During the reporting period, approximately 15 L

of sodium hypochlorite was used per month and approximately 8 L of sodium silicate was used per month.

**Table 1: Treatment Chemicals in the Whitechurch Drinking Water System**

Chemical Name	Use	Supplier
Sodium Hypochlorite 12%	Primary Treatment	Jutzi Water Technologies
Sodium Silicate	Iron Sequestering	Jutzi Water Technologies

## Summary of Non-Compliance

### Adverse Water Quality Incidents

Under the Safe Drinking Water Act, O. Reg 170/03, any adverse water quality incidents (AWQI) are required to be reported to the Ministry of the Environment, Conservation and Parks (MECP) and corrective action taken. Refer to Table 2 below for a summary of AWQI incidents in 2025.

**Table 2: Adverse Water Quality Incidents**

Date	AWQI #	Location	Problem	Details	Legislation	Corrective Action Taken
November 4, 2025	170637	Whitechurch Well house	Free chlorine analyzer flat lined thus, not recording free chlorine residuals every 5 minutes to confirm primary disinfection (CT)	Cl-17 tubing was leaking causing the analyzer to fault and not read	O. Reg 170/03 S. 6.5 (1)(i)	Chlorine usage during the period when the analyzer was not reading remained consistent with expected levels. After the feed line tubing was replaced, the analyzer reading aligned with a handheld measurement. Distribution residuals were also within normal ranges. Routine bacteriological samples collected on November 3, 2025, and repeat samples taken on November 4, 2025 due to the analyzer flat-lining showed treated and distribution residuals within acceptable levels. All bacteriological results from both sampling dates were satisfactory.

### Non-Compliance

Under the Safe Drinking Water Act, O. Reg 170/03, any events where legislative requirements were not met are required to be reported to the MECP and corrective actions taken. Refer to Table 3 below for a summary of non-compliance incidents in 2025.

**Table 3: Summary of Non-Compliance Incidents**

Legislation	Requirement(s) system failed to meet	Duration of the failure (ie. Dates(s))	Corrective Action
O.Reg 170/03 s.16-4	Low pressure within the distribution system	April 20, 2025 at 0230 – April 20, 2025 at 0317	Flushed upstream and downstream of the well house. Obtained bacteriological samples at the north and east samples stations. Results came back satisfactory
O.Reg 170/03 s. 6-1.1(3)	Turbidity was taken 48 days after the last sample, exceeding the 40-day requirement.	August 21, 2025	Operators have been reminded of the regulatory requirement to ensure turbidity sampling is completed at least 20 days after the previous sample and no more than 40 days. All operators will undergo additional training to reinforce sampling and sample calendar review practices/requirements
O.Reg 170/03 s. 6-5 (1) 3	Continuous monitoring test results must be examined within 72 hours after tests are conducted. Results were not monitored by an operator in this time frame due to the Statutory Holiday and the certified operator not reviewing the test results during their holiday coverage.	October 10, 2025, 13:53 – October 14, 2025, 07:40	A discussion was held with Operators about the importance and requirement of the 72-hour trending review and to obtain back up from another operator if they are unable to fulfill their duties.

**Non-Compliance Identified in a Ministry Inspection**

The routine MECP Inspections have an Inspection Rating Record. This record evaluates the system to provide information for the owner/operator on areas that need to be improved. The particular areas that were evaluated for the Whitechurch Drinking Water System were: Capacity Assessment, Certification and Training, Logbooks, Operations Manuals, Reporting and Corrective Actions, Source, Treatment Processes, and Water Quality Monitoring. The Whitechurch Drinking Water System inspection was conducted on May 7<sup>th</sup>, 2025 by Robert Graham of the Ministry of the Environment, Conservation and Parks (MECP). The inspection review period was June 14, 2024 to May 7, 2025. An inspection rating of 100% was received. Refer to Table 4 below for non-compliances identified in the report.

**Table 4: Non-Compliances Identified in a Ministry Inspection**

Item #	Issue Identified in Report/Order	Required Action Identified in Report	Comply by Date as per the Report	Status
There were no non-compliance issues reported during the reporting period.				

## Flows

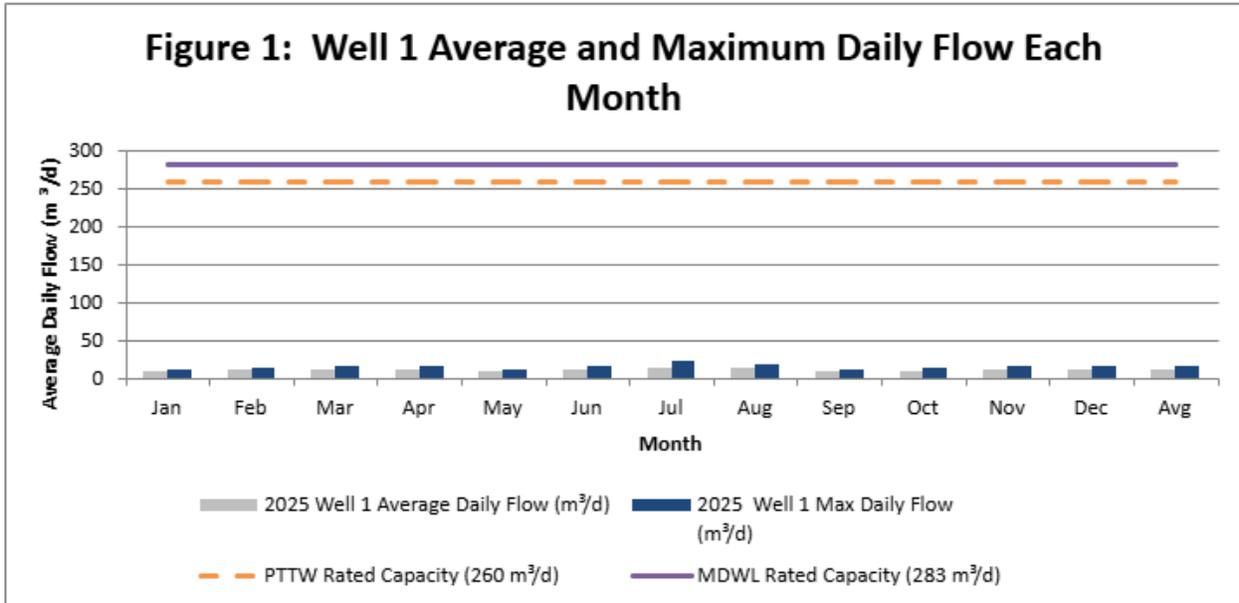
The raw and treated water flows are regulated under the Permit to Take Water (PTTW # P-300-5358072065) and Municipal Drinking Water Licence (MDWL #087-105). The 2025 daily raw flow was submitted to the Ministry electronically under the PTTW number. A copy of the data that was submitted is attached in Appendix A.

### Wells 1 and 2 Flows

The combined total volume of treated water produced in 2025 was 7,740.57 m<sup>3</sup>, compared to 7,683.98 m<sup>3</sup> reported by the previous operating authority in 2024. Based on the 2021 Census, the average residential water use in Canada was 0.223 m<sup>3</sup> per person, which equates to approximately 8,872 m<sup>3</sup> per year. This indicates that the system’s treated water volume remains below the estimated daily per person demand and is consistent with reasonable usage for the population served. Of the 2025 total flow, Well 1 supplied 3,897.03 m<sup>3</sup>, while Well 2 supplied 3,843.54 m<sup>3</sup>. The Whitechurch Drinking Water System pumps water from its onsite wells, where flow is measured at the well house. This measurement represents the raw water volume for the Permit to Take Water (PTTW) and the treated water for the rated capacity for the Municipal Drinking Water Licence (MDWL). The PTTW authorizes a maximum flow of 260 m<sup>3</sup>/day, while the MDWL sets a rated capacity limit of 283 m<sup>3</sup>/day.

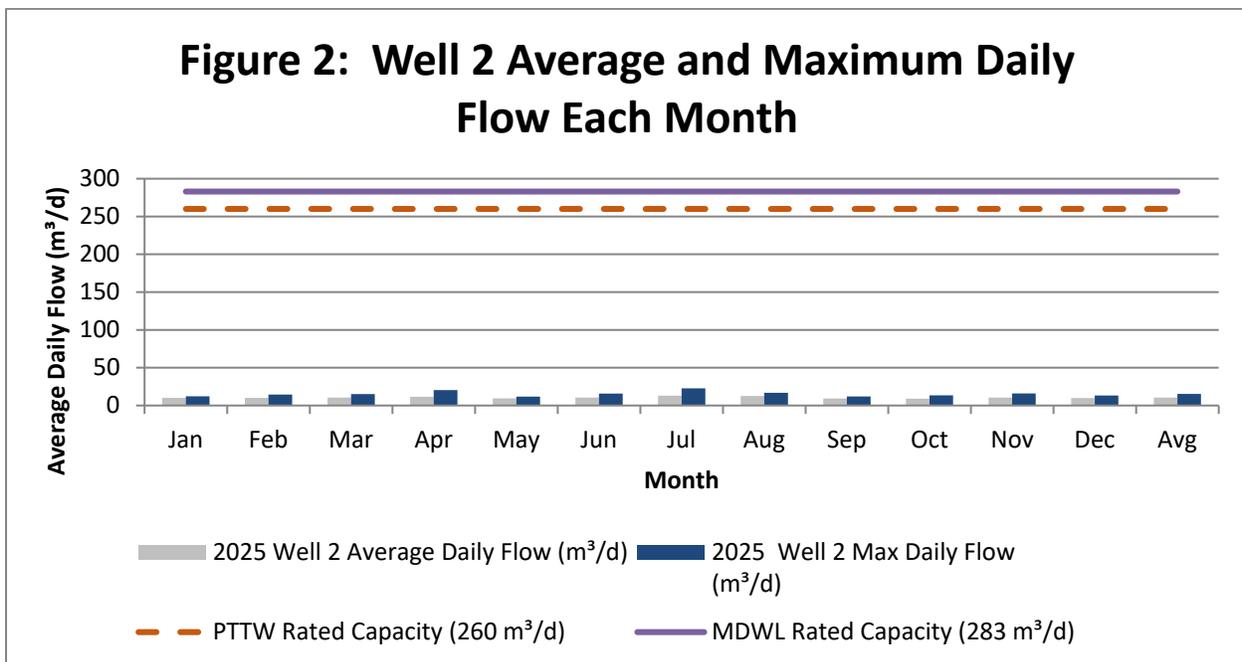
In 2025, the average daily flow for Well 1 was 10.57 m<sup>3</sup>, which is slightly higher than the 10.43 m<sup>3</sup> reported in 2024. The max daily flow for Well 1 in 2025 was 22.56 m<sup>3</sup>, compared to 21.73m<sup>3</sup> reported in 2024. The limit for water takings as specified in the PTTW is 197 L/min. This limit was not exceeded in 2025. Figure 1 below outlines the average daily and maximum flows for Well 1 during the reporting period.

Figure 1: Well 1 Average and Maximum Daily Flow



The average daily flow for Well 2 in 2025 was 10.53 m<sup>3</sup>, compared to 10.55 m<sup>3</sup> reported in 2024. The max daily flow for Well 2 in 2025 was 22.75 m<sup>3</sup>, compared to 22.43m<sup>3</sup> reported in 2024. The limit for water takings as specified in the PTTW is 197 L/min. This limit was not exceeded in 2025. Figure 2 below outlines the average daily and maximum flows for Well 2 during the reporting period. When calculated using the combined total average daily flow, the system operated at 8.12% of its rated capacity, consistent with the previous year.

Figure 2: Well 2 Average and Maximum Daily



## Regulatory Sample Results Summary

### Microbiological Testing

To meet regulatory requirements, raw water (RW) is sampled monthly. However, when OCWA assumed operational responsibility, the continued practice of the previous operating authority of weekly sampling was maintained until the final quarter of the year. After the first three quarters of results were all satisfactory, sampling frequency was reduced to monthly as per O.Reg 170/03. Distribution water (DW) is sampled weekly to test for E. coli, Total Coliforms and heterotrophic plate count (HPC). The regulatory limit for Total Coliform and E. coli is zero, heterotrophic plate count (HPC) does not have a limit. Additional treated water samples were taken monthly for monitoring purposes. Refer to Table 5 below for a summary of testing results.

**Table 5: Microbiological Testing Summary**

	No. of Samples Collected	Range of E.Coli Results (cfu/100mL)		Range of Total Coliform Results		No. of HPC Samples Collected	Range of HPC Results (cfu/mL)	
		Min	Max	Min	Max		Min	Max
Raw Water	73	0	0	0	0	n/a	n/a	n/a
Treated Water	59	0	0	0	0	59	10.00	10.00
Distribution Water	56	0	0	0	0	56	10.00	10.00

### Operational Testing

As per the Safe Drinking Water Act, O. Reg 170/03, raw water turbidity is required to be monitored monthly with an objective of less than 1 NTU. Free chlorine residuals are required to be continuously monitored using point-of-entry treated water online chlorine analyzers located at each well house. All chlorine residual results were within regulatory compliance during the reporting period. Free chlorine residuals are also monitored throughout the distribution system to ensure adequate secondary disinfection is provided and all results met the required standards. The regulatory requirement for free chlorine residual is a minimum of 0.05 mg/L with an objective of 0.20 mg/L throughout the distribution system. Refer to Table 6 for turbidity and free chlorine residual results.

**Table 6: Turbidity and Free Chlorine Residual Monitoring**

Parameter	No. of Samples Collected	Range of Results		Minimum Requirements (mg/L)
		Minimum	Maximum	
Turbidity, grab (NTU) – RW Well 1	13	0.10	0.46	
Turbidity, grab (NTU) – RW Well 2	13	0.10	0.50	
Free Chlorine Residual, on-line (mg/L) - TW	8760	0.72	3.41	0.47
Free Chlorine Residual, grab (mg/L) - DW	107	0.55	2.11	0.05

## Inorganic Parameters

Inorganic parameters are tested as a requirement under O. Reg. 170/03 every 60 months, including sodium and fluoride. Nitrate and Nitrite are tested quarterly as required under O. Reg. 170/03. In the event any of the parameters (except Sodium and Fluoride) exceed half of the maximum allowable concentration, the parameter is required to be sampled quarterly. All inorganics except sodium and fluoride were last sampled on September 12, 2022. Inorganics are scheduled to be sampled again in 2027. Sodium was last tested on January 31, 2023 and will be sampled again in 2028. Fluoride was last sampled on November 26, 2024 and will be sampled again in 2029. All inorganic sample results were within regulatory compliance with the exception of Barium concentrations which exceeded half of the Maximum Allowable Concentration. Refer to Table 7 below for details.

**Table 7: Inorganic Parameter Testing**

Treated Water (TW) Parameter	Sample Date (yyyy/mm/dd)	Sample Results	MAC (µg/L)	Number of Exceedances	
				MAC	½ MAC
Antimony: Sb (ug/L) - TW	2022/09/12	0.6 <MDL	6	0	0
Arsenic: As (ug/L) - TW	2022/09/12	0.4	10	0	0
Barium: Ba (ug/L) - TW	2022/09/12	853	1000	0	1
Boron: B (ug/L) - TW	2022/09/12	15	5000	0	0
Cadmium: Cd (ug/L) - TW	2022/09/12	0.005	5	0	0
Chromium: Cr (ug/L) - TW	2022/09/12	0.15	50	0	0
Mercury: Hg (ug/L) - TW	2022/09/12	0.01<MDL	1	0	0
Selenium: Se (ug/L) - TW	2022/09/12	0.04<MDL	50	0	0
Uranium: U (ug/L) - TW	2022/09/12	0.085	20	0	0
<b>Additional Inorganics</b>					
Fluoride (mg/L) - TW	2024/11/26	1.04	1.5	0	n/a
Nitrite (mg/L) - TW	2025/02/04	0.003 <MDL	1	0	0
Nitrite (mg/L) - TW	2025/04/14	0.003 <MDL	1	0	0
Nitrite (mg/L) - TW	2025/07/14	0.003 <MDL	1	0	0
Nitrite (mg/L) - TW	2025/10/20	0.003 <MDL	1	0	0
Nitrate (mg/L) - TW	2025/02/04	0.006 <MDL	10	0	0
Nitrate (mg/L) - TW	2025/04/14	0.006 <MDL	10	0	0
Nitrate (mg/L) - TW	2025/07/14	0.006 <MDL	10	0	0
Nitrate (mg/L) - TW	2025/10/20	0.006 <MDL	10	0	0
Sodium: Na (mg/L) - TW	2023/01/31	16.8	20*	n/a	n/a

MAC = Maximum Allowable Concentration as per O.Reg 169/03

MDL = Below the laboratory method detection level

\*There is no "MAC" for Sodium. The aesthetic objective for sodium in drinking water is 20 mg/L. The local Medical Officer of Health should be notified mg/L when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium-restricted diets

### Summary of Lead Testing

Schedule 15.1 Sampling is required under O. Reg 170/03. This includes sampling for lead, alkalinity and pH. The Whitechurch Drinking Water System is under reduced sampling. As such, no residential plumbing samples are required to be collected. Monitoring the pH and alkalinity in the distribution system is essential to ensure adequate buffering for corrosion control and to minimize exposure to metals such as lead. Refer to Table 8 below.

**Table 8: Schedule 15.1 Sampling Results**

Distribution System	Number of Sampling Points	Number of Samples	Range of Results		MAC (ug/L)	Number of Exceedances
			Minimum	Maximum		
Alkalinity (mg/L)	2	4	277	279	n/a	n/a
pH	2	4	7.21	7.93	n/a	n/a
Lead (ug/l)	2	4	0.01	0.01	10	0

### Organic Parameters

Organic parameters are tested every 60 months as a requirement under O. Reg 170/03. In the event any of the parameters exceed half of the maximum allowable concentration the parameter is required to be sampled quarterly. All organics were last sampled on September 12, 2022, organics are scheduled to be sampled again in 2027. All organic sample results were within regulatory compliance limits and half of the Maximum Allowable Concentration. Refer to Table 9 below for details.

Disinfection byproducts including Trihalomethanes and Haloacetic acids are tested quarterly in the distribution system. Results are listed in Table 9 below.

**Table 9: Organic Parameter Testing**

Treated Water (TW)	Sample Date (yyyy/mm/dd)	Sample Result	MAC (ug/L)	Number of Exceedances	
				MAC	1/2 MAC
Alachlor (ug/L) - TW	2022/09/12	0.02<MDL	5.0	0	0
Atrazine + N-dealkylated metabolites (ug/L) - TW	2022/09/12	0.01<MDL	5.0	0	0
Azinphos-methyl (ug/L) – TW	2022/09/12	0.05<MDL	20.0	0	0
Benzene (ug/L) – TW	2022/09/12	0.32<MDL	1.0	0	0
Benzo(a)pyrene (ug/L) – TW	2022/09/12	0.004<MDL	0.01	0	0
Bromoxynil (ug/L) – TW	2022/09/12	0.33<MDL	5.0	0	0
Carbaryl (ug/L) – TW	2022/09/12	0.05<MDL	90.0	0	0
Carbofuran (ug/L) - TW	2022/09/12	0.01<MDL	90.0	0	0
Carbon Tetrachloride (ug/L) - TW	2022/09/12	0.17<MDL	2.0	0	0
Chlorpyrifos (ug/L) - TW	2022/09/12	0.02<MDL	90.0	0	0
Diazinon (ug/L) – TW	2022/09/12	0.02<MDL	20.0	0	0
Dicamba (ug/L) – TW	2022/09/12	0.20<MDL	120.0	0	0
1,2-Dichlorobenzene (ug/L) – TW	2022/09/12	0.41<MDL	200.0	0	0
1,4-Dichlorobenzene (ug/L) – TW	2022/09/12	0.36<MDL	5.0	0	0
1,2-Dichloroethane (ug/L) – TW	2022/09/12	0.35<MDL	5.0	0	0
1,1-Dichloroethylene (ug/L) – TW	2022/09/12	0.33<MDL	14.0	0	0

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Dichloromethane (ug/L) – TW	2022/09/12	0.35<MDL	50.0	0	0
2,4-Dichlorophenol (ug/L) – TW	2022/09/12	0.15<MDL	900.0	0	0
2,4-Dichlorophenoxy acetic acid (ug/L) – TW	2022/09/12	0.19<MDL	100.0	0	0
Diclofop-methyl (ug/L) – TW	2022/09/12	0.40<MDL	9.0	0	0

Treated Water (TW)	Sample Date (yyyy/mm/dd)	Sample Result	MAC (ug/L)	Number of Exceedances	
				MAC	1/2 MAC
Dimethoate (ug/L) – TW	2022/09/12	0.06<MDL	20.0	0	0
Diquat (ug/L) – TW	2022/09/12	1<MDL	70.0	0	0
Diuron (ug/L) – TW	2022/09/12	0.03<MDL	150.0	0	0
Glyphosate (ug/L) – TW	2022/09/12	1<MDL	280.0	0	0
Malathion (ug/L) – TW	2022/09/12	0.02<MDL	190.0	0	0
2-Methyl-4chlorophenoxyacetic Acid (MCPA)	2022/09/12	0.00012<MDL	0.1	0	0
Metolachlor (ug/L) – TW	2022/09/12	0.01<MDL	50.0	0	0
Metribuzin (ug/L) – TW	2022/09/12	0.02<MDL	80.0	0	0
Monochlorobenzene (Chlorobenzene) (ug/L) - TW	2022/09/12	0.3<MDL	80.0	0	0
Paraquat (ug/L) – TW	2022/09/12	1<MDL	10.0	0	0
PCB (ug/L) – TW	2022/09/12	0.04<MDL	3.0	0	0
Pentachlorophenol (ug/L) – TW	2022/09/12	0.15<MDL	60.0	0	0
Phorate (ug/L) – TW	2022/09/12	0.01<MDL	2.0	0	0
Picloram (ug/L) – TW	2022/09/12	1<MDL	190.0	0	0
Prometryne (ug/L) – TW	2022/09/12	0.03<MDL	1.0	0	0
Simazine (ug/L) – TW	2022/09/12	0.01<MDL	10.0	0	0
Terbufos (ug/L) – TW	2022/09/12	0.01<MDL	1.0	0	0
Tetrachloroethylene (ug/L) – TW	2022/09/12	0.35<MDL	10.0	0	0
2,3,4,6-Tetrachlorophenol (ug/L) – TW	2022/09/12	0.20<MDL	100.0	0	0
Triallate (ug/L) - TW	2022/09/12	0.01<MDL	230.0	0	0
Trichloroethylene (ug/L) – TW	2022/09/12	0.44<MDL	5.0	0	0
2,4,6-Trichlorophenol (ug/L) – TW	2022/09/12	0.25<MDL	5.0	0	0
Trifluralin (ug/L) – TW	2022/09/12	0.02<MDL	45.0	0	0
Vinyl Chloride (ug/L) – TW	2022/09/12	0.17<MDL	1.0	0	0
<b>Distribution Water</b>					
Trihalomethane: Total (ug/L) Annual Average	2025	21.75	100.0	0	0
Haloacetic Acid: Total (ug/L) Annual Average	2025	9.98	80.0	0	0

MAC = Maximum Allowable Concentration as per O. Reg 169/03 MDL = Below the laboratory method detection level

### Additional Legislated Samples

**REGULATORY RELIEF FOR BARIUM:** Barium concentrations in the treated water consistently exceed the half-MAC and are therefore monitored quarterly in accordance with MDWL 087-105, Schedule D. On December 10, 2025, a summary letter outlining the Barium results was provided to the Grey Bruce Health Unit, the Owner, and the Ministry of the Environment, Conservation and Parks. Appendix B

contains a copy of the submitted letter. Table 10 below provides a summary of the 2025 Barium sampling results.

**Table 10: Quarterly Barium Parameter Testing**

Sample Day	# TW Samples	Barium Results (µg/L)	Half MAC (ug/L)
2025/02/04	1	803	500
2025/04/14	1	773	
2025/07/14	1	766	
2025/10/20	1	745	

## Major Maintenance and Capital Summary

The Whitechurch Drinking Water System completed repairs and replacements as listed below in Table 11. These represent the major expenses incurred in 2025.

**Table 11: Major Maintenance**

Item	Description
1	Annual third-party chlorine analyzer and flow meter calibrations completed
2	Replaced three out of five pressure tanks in the well house

## Revision History

Date	Revision #	Revision Notes
2026-02-23	0	Issued Report for review

## **Appendix A**

### **PTTW Reporting**

## Water Taking Reporting System

### Whitechurch Well 1 and Well 2

2/6/26, 9:19 AM

Water Taking Reporting System



Location: [WTRS](#) / [WT DATA](#) / [Edit Submitted WT Records](#)

WTRS-WT-008

**Water Taking Data submitted successfully.**

**Confirmation:**

Thank you for submitting your water taking data online.

Permit Number: 1124-A4DMYC  
Permit Holder: THE CORPORATION OF THE TOWNSHIP OF HURON-KINLOSS.  
Received on: Feb 6, 2026 9:19 AM

This confirmation indicates that your data has been received by the Ministry, but should not be construed as acceptance of this data if it differs from that specified on the Permit Number, assigned to the Permit Holder stated above.

[Return to Main Page](#)

TOWNSHIP OF HURON KINLOSS | 2026/02/06  
version: v5.0.0.01 (build#: 28)  
Last modified: 2021/09/22

The WTRS systems confirmation of reporting does not provide a table showing daily volumes. During the 2025 reporting period the Permit to Take Water (PTTW) was renewed resulting in water takings being reported across two different systems. For the previous PTTW, reporting was completed through WTRS which only provides a submission confirmation. The 2026 PTTW reporting will be completed entirely through the RSRS system and daily raw flow values will be available.

# Regulatory Self-Reporting System

## Whitechurch Well 1

Ontario  Regulatory Self-Reporting System Ministry of the Environment, Conservation and Parks

Client Name: THE CORPORATION OF THE TOWNSHIP OF HURON-KINLOSS Reporting Year: 2025 Service: PTTW Permit Number: P-300-5358072065 Permit Version: 1.0 New or Updated Submission: NEW

Site Name: Whitechurch Well 1

Source ID: 50000834728 Source Name: Whitechurch Well 1 Source Type: Well

UTM(Zone/Easting/Northing): 17/467427.0/4862819.0 Method of Determination: Metered Unit of Measure: Litre

Description: Well 1 Purpose Category: Utilities Specific Category: Municipal Supply Activity: Water Supply

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1											8990.0	9800.0
2											15220.0	16620.0
3											11110.0	12470.0
4										9010.0	12330.0	9500.0
5										10630.0	10460.0	10100.0
6										9120.0	11460.0	9280.0
7										8730.0	9880.0	11290.0
8										8170.0	10550.0	9680.0
9										8720.0	9790.0	8600.0
10										10890.0	12040.0	9500.0
11										12810.0	8500.0	9390.0
12										7460.0	10000.0	9480.0
13										10550.0	9360.0	11520.0
14										7490.0	10710.0	8850.0
15										9470.0	9700.0	11590.0
16										11060.0	10570.0	9370.0
17										8980.0	10640.0	10610.0
18										9230.0	8610.0	12120.0
19										13410.0	10580.0	8450.0
20										11750.0	9130.0	9380.0
21										8320.0	9650.0	9180.0
22										8770.0	13360.0	7970.0
23										7430.0	8790.0	10420.0
24										8340.0	10620.0	12520.0
25										9260.0	9390.0	8990.0
26										9060.0	8450.0	10300.0
27										7800.0	9980.0	10520.0
28										9400.0	7990.0	8940.0
29										8860.0	8400.0	11360.0
30										8500.0	9040.0	10340.0
31										8310.0		11060.0

# Regulatory Self-Reporting System

## Whitechurch Well 2

Ontario  Regulatory Self-Reporting System Ministry of the Environment, Conservation and Parks

Inputted Water Taking Data

Business Service Type: PTTW

Permit Number: P-300-5358072065

Permit Version: 1.0

Permit Holder's Name: THE CORPORATION OF THE TOWNSHIP OF HURON-KINLOSS

Reporting Year: 2025

Source Name: Whitechurch Well 2

Description: Well 2 Purpose Category: Utilities Specific Category: Municipal Supply Activity: Water Supply

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1											9480.0	10480.0
2											16040.0	4120.0
3											10270.0	6300.0
4										8310.0	13100.0	8650.0
5										11160.0	11620.0	10500.0
6										10040.0	11140.0	9510.0
7										8870.0	10510.0	11290.0
8										8540.0	10830.0	10740.0
9										9120.0	10000.0	9280.0
10										11040.0	12000.0	9110.0
11										13480.0	8490.0	9590.0
12										7950.0	10730.0	9130.0
13										9480.0	9120.0	11880.0
14										7810.0	11630.0	8530.0
15										8570.0	8720.0	12100.0
16										11210.0	11470.0	8690.0
17										7800.0	10900.0	10600.0
18										8850.0	8670.0	13150.0
19										8170.0	10290.0	9170.0
20										5760.0	9070.0	9710.0
21										8240.0	10080.0	8950.0
22										8890.0	14300.0	8670.0
23										7250.0	8760.0	10260.0
24										8940.0	10520.0	12630.0
25										9790.0	9210.0	9490.0
26										9420.0	7940.0	10800.0
27										8110.0	11720.0	10680.0
28										9150.0	8690.0	9570.0
29										8980.0	8530.0	11730.0
30										8950.0	8680.0	10040.0
31										8020.0		11480.0

## **Appendix B**

### **2025 Whitechurch Barium Report**

December 10, 2025

Dr. Ian Arra  
 Medical Officer of Health and Chief Executive Officer  
 Grey Bruce Health Unit

**Whitechurch Drinking Water System - Annual Barium Test Results**

In accordance with the Whitechurch Municipal Drinking Water License #087-105, the Safe Drinking Water Act, 2002 (Part III, Section 11), and O.Reg 170/03 (Schedule 13-2 and 13-4), Whitechurch’s treated water is tested quarterly for barium due to the concentrations exceeding half of the Maximum Allowable Concentration (Half-MAC). Below are the quarterly test results for treated water samples collected in 2025:

**RESULTS:**

Date	Barium Concentration, µg/L	Maximum Allowable Concentration, µg/L
February	803	1000
April	500	
July	766	
October	745	

The Township of Huron-Kinloss provides these results, along with the Grey Bruce Health Unit Barium Fact Sheet, on their website to ensure consumers of the Whitechurch Drinking Water System are made aware of the potential health implications from consuming treated water containing elevated concentrations of barium. Additionally, the fact sheet includes home treatment options for consumers to consider.

If you have any additional questions or require additional information, please contact me.

Katelyn Barrowcliffe  
 Process and Compliance Technician,  
 Ontario Clean Water Agency

- cc: Robert Graham, MECP Drinking Water Inspector, Owen Sound District Office  
 John Yungblut, Director of Public Works, Township of Huron-Kinloss  
 Jane Eybergen, Public Works Administrative Assistant, Township of Huron-Kinloss  
 Paul Sherban, Senior Operations Manager, OCWA  
 Maegan Garber, Safety, Process and Compliance Manger, OCWA