ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Wednesday February 25, 2026

Jim Moss, Director, Development and Operations
Town of Shelburne
203 Main Street East
Shelburne, Ontario, L9V 3K7

RE: 2025 Annual Reports (O. Reg. 170/03, Section 11) – Town of Shelburne

Dear Mr. Moss,

Please see attached for the following 2025 Annual Report prepared by the Ontario Clean Water Agency on behalf of the Town of Shelburne:

- Shelburne Drinking Water System (Large Municipal Residential)

This report was prepared in accordance with Section 11 of Ontario Regulation 170/03. Your receipt of this report by or before February 28, satisfies the regulatory requirement that *"The owner of a drinking water system shall ensure that an annual report is prepared in accordance with this section. O. Reg. 170/03 s.11 (1)."*

In general, the Section 11 Annual Report consist of the following:

- A brief description of the drinking water system
- A description of major equipment related expenses
- Where applicable, a summary of reports/notices submitted to the Spills Action Centre and any corrective actions taken
- A summary of microbiological, operational and chemical test results as required by the Regulation

Section 12 of O. Reg. 170/03 requires that the Annual Report is available for inspection, at no charge, by any member of the public during regular business hours. It is recommended that the report be made available for inspection at the office of the municipality or at a location that is convenient for the users of the water system. Depending on the size and type of systems within a municipality, there may be additional requirements in Section 11 and Section 12 of that Regulation regarding the provision of the Annual Report to the public and other interested parties.

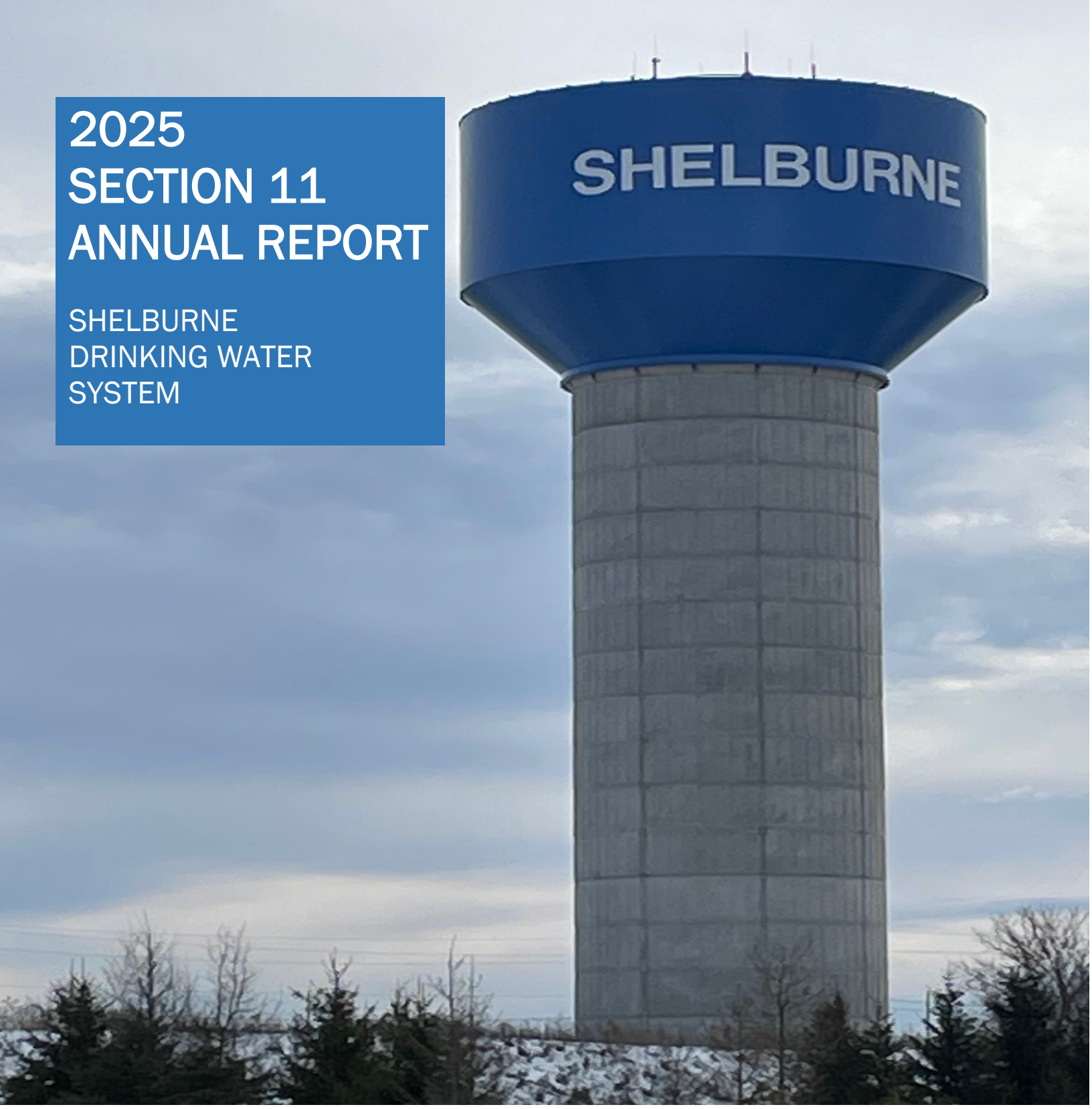
Should you require further clarification on the information found within the Annual Report, please feel free to contact me.

Sincerely,

Jenna Porter
Senior Operations Manager – North Highlands Hub
OCWA, Georgian Highlands Region

2025 SECTION 11 ANNUAL REPORT

SHELBURNE DRINKING WATER SYSTEM



For the period of
January 1st, 2025 to December 31st, 2025

Prepared for the Corporation of the Town of Shelburne by the Ontario Clean Water Agency

A People Place, A Change of Pace
SHELBURNE
ONTARIO, CANADA

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

This report was prepared in accordance with the requirements of *O.Reg 170/03, Section 11, Annual reports* for the following system and reporting period:

Drinking-Water System Number:	220004965
Drinking-Water System Name:	Shelburne Drinking Water System
Drinking-Water System Owner:	The Corporation of the Town of Shelburne
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1, 2025 – December 31, 2025

Does your Drinking-Water System serve more than 10,000 people?

Yes

Is your Annual Report available to the public at no charge on a web site on the Internet?

Yes

Note: If a large municipal residential system serves more than 10,000 people, the owner of the system shall ensure that a copy of every report prepared under this section is available to the public at no charge on a website on the Internet. O. Reg. 170/03, Section 11. (10)

Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection *(O.Reg 170/03, Section 11.(6)(f)):*

- Town of Shelburne Office, 203 Main Street East, Shelburne, Ontario, L9V 3K7
- https://www.shelburne.ca/en/town-hall/water-and-sewer.aspx

Note: this is required for large municipal residential systems or small municipal residential systems.

List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:

Drinking Water System Name	Drinking Water System Number
N/A	N/A

Did you provide a copy of your annual report to all Drinking Water System owners that are connected to you and to whom you provide all of its drinking water?

N/A

How system users are notified that the annual report is available, and is free of charge:

- [X] Public access/notice via the web
- [X] Public access/notice via Government Office
- [ ] Public access/notice via a newspaper
- [X] Public access/notice via Public Request
- [ ] Public access/notice via a Public Library
- [ ] Public access/notice via other method: _____

Note: The owner of a drinking water system shall ensure that a copy of an annual report for the system is given, without charge, to every person who requests a copy. ((O.Reg 170/03, Section 11.(7)):

Describe your Drinking-Water System (O.Reg 170/03, Section 11.(6)(a)):

The Shelburne Drinking Water System was classified as a Class II Water Distribution and Supply Subsystem until January 23, 2024 in which time it was re-classified into two licenses – Class II Water Treatment Subsystem and Class II Water Distribution and Supply Subsystem. Under O.Reg 170/03, the Shelburne DWS is categorized as a Large Municipal Drinking Water System, servicing an approximate population of 10,001 persons. The system is comprised of four pumphouses, including Well 1, 3, 5/6 and 7/8 Pumphouses which draw water from six production wells. The four pumphouses supply water through the distribution system and into the two elevated storage reservoirs (Water Towers).

The raw water for Well 1 pumphouse is supplied from one drilled groundwater well (PW1), which is classified as a groundwater under direct influence (GUDI) well with effective in-situ filtration. The water pumped from the well is treated with Waterworx (for iron sequestration), UV and sodium hypochlorite (for primary and secondary disinfection). The treated water is stored in two chlorine contact tanks prior to entering the distribution system. Online equipment continuously monitors and records free chlorine residual and flowrates. This pumphouse is currently offline while rehabilitation and testing is being performed to bring the well back to its original flowrate. The pumphouse/ Well PW1 has been offline since January 2020.

The raw water for Well 3 pumphouse is supplied from one drilled artesian groundwater well (PW3) which is classified as a groundwater under direct influence (GUDI) well. The water pumped from the well is treated with sodium hypochlorite (for primary and secondary disinfection), as well as UV disinfection and arsenic removal by adsorption tanks. The treated water is stored in a watermain on the property for purpose of providing minimum chlorine contact time prior to entering the distribution system. Online equipment continuously monitors and records free chlorine residual, turbidity and flowrates. Well PW3 was offline starting April 2020, upgrades were completed in 2024 along with testing. Commissioning of Well 3 was completed and online as of September 18, 2025.

The raw water for Well 5/6 and 7/8 pumphouses are supplied from four drilled groundwater wells (PW5, PW6, PW7 and PW8). The water pumped from wells 5/6 is treated with Waterworx (for iron sequestration) and sodium hypochlorite (for primary and secondary disinfection). The treated water for Well 5/6 is stored in a watermain on the property for the purpose of providing minimum chlorine contact time prior to entering blending building. The treated water for Well 7/8 is stored in a chlorine contact pipe, which is then discharged to the blending building located at Well 5/6 pumphouse. The treated/blended water from the blended building then enters the distribution system. Online equipment continuously monitors and records free chlorine residual and flowrates. The pumphouses are also equipped with standby power in the event of a power failure.

List of water treatment chemicals used by the system during the reporting period (O.Reg 170/03, Section 11.(6)(a)):

- Sodium Hypochlorite 12% Solution
- Waterworx 28% Solution

Significant expenses were incurred to:

	Install required equipment
	Repair required equipment
X	Replace required equipment
	No significant expenses were incurred

Description of major expenses during the reporting period to install, repair or replace required equipment *(O.Reg 170/03, Section 11.(6)(e))*:

- Replacement of two Chemical Pumps for Well 7/8

Summary of any reports/notices submitted to the Ministry and/or Spills Action Centre in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 during the reporting period, including a description of any corrective actions taken under Schedule 17 or 18 (O.Reg 170/03, Section 11.(6)(b),(d):

Incident Date (yyyy/mm/dd)	Parameter/ Notice of	Result & Unit	Summary of Reporting, Corrective Actions & Resolution
2025/12/05	Arsenic	14 µg/L	AWQI Number: 170966, Notice of Adverse Test Results - Arsenic • On December 5, 2025, the laboratory notified OCWA that a supplementary sample collected and tested for Arsenic on December 2, 2025 had a result greater than the maximum acceptable concentration (MAC). • Upon notification, OCWA completed required regulatory corrective actions on December 5, 2025 in accordance with O.Reg 170/03. A re-sample was collected at the same location. • OCWA provided verbal notification of the adverse result and corrective actions to the SAC, MECP, WDG Public Health, and the Owner on December 5, 2025. Written notification was provided to the same parties on December 5, 2025. No additional actions were requested or required following notification.

Incident Date (yyyy/mm/dd)	Parameter/ Notice of	Result & Unit	Summary of Reporting, Corrective Actions & Resolution
			• Results from the resample were received on December 8, 2025 and were below the regulatory MAC. • A Written Notice of Resolution was submitted on December 8, 2025 to SAC, MECP, WDG Public Health, and the Owner. No further actions were requested or required.
2025/12/18	Low Distribution Free Chlorine Residual	0.03 mg/L	AWQI Number: 171091, Notice of Adverse Quality Incident – Low Chlorine Distribution Free Residual • On December 18, 2025, the Town of Shelburne notified OCWA that while completing dead end hydrant flushing at Luxton Wat hydrant a low free chlorine residual value was recorded. The hydrant was not fully open and a grab sample was collected after 30 seconds of flow. • Town of Shelburne continued to flush hydrant, complete free chlorine residual grab samples ensuring adequate residual. Town of Shelburne updated and reviewed their flushing procedure on December 18, 2025 to extend the duration of flushing prior to collecting a sample. • Town of Shelburne provided verbal notification of the adverse result and corrective actions to the SAC, MECP, WDG Public Health, and the Owner on December 18, 2025. Written notification was provided to the same parties on December 18, 2025 by OCWA. No additional actions were requested or required following notification. • A Written Notice of Resolution was submitted on December 18, 2025 to SAC, MECP, WDG Public Health, and the Owner. No further actions were requested or required.

Table 1: Microbiological testing done under the Schedule 10 of Regulation 170/03 during this reporting period (O.Reg 170/03, Section 11.(6)(c)).

Location	Number of Samples	Range of E. Coli or Fecal Results		Range of Total Coliforms Results		Number of HPC Samples	Range of HPC Samples	
		Min.	Max.	Min.	Max.		Min.	Max.
Raw Water - Well PW1[1A]	N/A[1D]	-	-	-	-	n/a	n/a	n/a
Raw Water - Well PW3[1A]	17[1D]	0	0	0	0	n/a	n/a	n/a
Raw Water - Well PW5[1A]	52	0	0	0	0	n/a	n/a	n/a
Raw Water - Well PW6[1A]	52	0	0	0	0	n/a	n/a	n/a
Raw Water - Well PW7[1A]	52	0	0	0	0	n/a	n/a	n/a
Raw Water - Well PW8[1A]	52	0	0	0	0	n/a	n/a	n/a
Treated Water - Well PW1[1B]	N/A[1E]	-	-	-	-	N/A[1E]	-	-
Treated Water - Well PW3[1B]	17[1E]	-	-	-	-	16[1E]	0	1
Treated Water - Well PW5[1B]	52	0	0	0	0	52	0	3
Treated Water - Well PW6[1B]	52	0	0	0	0	52	0	10
Treated Water - Well PW7[1B]	52	0	0	0	0	52	0	2
Treated Water - Well PW8[1B]	52	0	0	0	0	52	0	1
Distribution Water[1C]	260	0	0	0	0	260	0	420

Note: HPC = Heterotrophic Plate Count

Note: Units for E.Coli or Fecal Results are cfu/100 mL, units for Total Coliform Results are cfu/100 mL, units for HPC results are cfu/1mL

[1A]O.Reg 170/03, Schedule 10-4. (1)(3) requires for a large municipal residential system that a water sample is taken at least once every week from the drinking water system's raw water, before any treatment is applied to the water and tested for E.Coli and total coliforms.

[1B]O Reg 170/03, Schedule 10-3 requires for a large municipal residential system that a treated water sample is taken at least once every week and tested for E.Coli, total coliforms and general bacteria population expressed as colony counts on a heterotrophic count (HPC).

[1C]O.Reg 170/03 Schedule 10-2.(1)(2)(3) requires that a system that serves 100,000 people or less, at least eight distribution samples, plus one additional distribution sample for every 1,000 people served by the system, are taken every month, with at least one of the samples being taken in each week and that each of the samples taken is tested for E.Coli, Total Coliforms. At least 25 percent of the samples required must be tested for general bacteria population expressed as colony counts on heterotrophic plate count (HPC). As of 2025, the population of Shelburne is 10,001 persons, as confirmed by the owner on January 21, 2025 and thus requires at the minimum eighteen (18) monthly distribution samples.

[1D]Raw water samples were not collected in 2025 for Well 1. Well 1 has been offline since January, 2020. Well 3 was commissioned September 18, 2025 where sampling commenced as required.

[1E]Treated water samples were not collected in 2025 as Well 1 was offline. Well 3 was commissioned September 18, 2025 and treated water sampling commenced for remainder of the year.

Table 2: Operational testing done under Schedule 7 of Regulation 170/03 during the period covered by this Annual Report (O.Reg 170/03, Section 11.(6)(c)).

Parameter & Location	Number of Samples	Range of Results	
		Min.	Max.
Turbidity (NTU) - Raw Water - Well PW1[2A]	N/A[2D]	-	-
Turbidity (NTU) - Raw Water - Well PW3[2A]	4[2D]	0.26	0.37
Turbidity (NTU) - Raw Water - Well PW5[2A]	12	0.08	0.37
Turbidity (NTU) - Raw Water - Well PW6[2A]	12	0.19	0.31
Turbidity (NTU) - Raw Water - Well PW7[2A]	12	0.09	0.38
Turbidity (NTU) - Raw Water - Well PW8[2A]	12	0.10	0.45
Free Chlorine Residual, On-Line (mg/L) – Treated Well PW1[2B]	0[2E]	-	-
Free Chlorine Residual, On-Line (mg/L) – Treated Well PW3[2B]	8760[2E]	0.24	5.00[2F]
Free Chlorine Residual, On-Line (mg/L) – Treated Well PW5[2B]	8760	0.36	2.04
Free Chlorine Residual, On-Line (mg/L) – Treated Well PW6[2B]	8760	0.35	2.08
Free Chlorine Residual, On-Line (mg/L) – Treated Well PW7[2B]	8760	0.80	3.19
Free Chlorine Residual, On-Line (mg/L) – Treated Well PW8[2B]	8760	0.81	3.33
Free Chlorine Residual, Distribution Water (mg/L) - DW[2C]	365	0.81	1.45

Note: The number of samples used for continuous monitoring units is 8760.

[2A]O.Reg 170/03 Schedule 7-3.(1)(1.1) requires a raw water sample be taken at least once every month from each well that is supplying water to the system and tested for turbidity.

[2B]O.Reg 170/03 Schedule 7-2.(1) requires a drinking water system that provides chlorination for primary disinfection to sample and test for free chlorine residual with continuous monitoring equipment in the treatment process at or near a location where the intended contact time has just been completed.

[2C]O.Reg 170/03 Schedule 7-2.(3)(4) requires a large municipal residential system that provides secondary disinfection to take at least seven distribution samples each week and immediately tested for free chlorine residual, if the system provides chlorination and does not provide chloramination, unless at least one sample is taken on each day of the week. At the Shelburne DWS, secondary disinfection is monitored by taking one sample each day of the week.

[2D]Monthly raw water turbidity samples were not taken in 2025. Well 1 was offline and Well 3 out of service for upgrades and back in service September 18, 2025.

[2E]Continuous free chlorine residuals were not sampled/taken and tested at TW-PW1 as the supplying well was offline for the duration of the reporting period. Continuous free chlorine residuals were not sampled at TW-PW3 until September 18, 2025 when Well 3 upgrades were completed. The continuous free chlorine residuals from TW-PW3 were sampled/taken for remainder of the year.

[2F]Higher treated water free chlorine residual reading was of short duration and due to analyzer calibration.

Table 3: Summary of additional testing and sampling results carried out in accordance with the requirement of an approval, municipal drinking water licence (MDWL) or order (including OWRA) or other legal instrument. (O.Reg 170/03, Section 11.(6)(c))

Legal Instrument & Issue Date (yyyy/mm/dd)	Sample Location & Parameter	Sampling Frequency	Sample Date (yyyy/mm/dd)	Sample Results
MDWL 109-101, Issue 6 2021/05/31	Pumphouse PH 5/6 Arsenic[3A]	Quarterly	2025/01/07	TW5: 13.8 µg/L
			2025/04/01	TW5: 13.3 µg/L
			2025/07/02	TW5: 12.7 µg/L
			2025/10/01	TW5: 13.6 µg/L
			2025/01/07	TW6: 13.7 µg/L
			2025/04/01	TW6: 13.3 µg/L
			2025/07/02	TW6: 12.5 µg/L
			2025/10/01	TW6: 13.4 µg/L
	Pumphouse PH 7/8 Arsenic[3A]	Quarterly	2025/01/07	TW7: 0.4 µg/L
			2025/04/01	TW7: 0.4 µg/L
			2025/07/02	TW7: 0.4 µg/L
			2025/10/01	TW7: 0.3 µg/L
			2025/01/07	TW8: 0.5 µg/L
			2025/04/01	TW8: 0.4 µg/L
			2025/07/02	TW8: 0.4 µg/L
			2025/10/01	TW8: 0.4 µg/L
	Water Tower Arsenic[3A]	Quarterly	2025/01/07	5.5 µg/L
			2025/04/01	5.6 µg/L
			2025/07/02	5.2 µg/L
			2025/10/01	5.4 µg/L
	Blended Treated Water or Distribution Water (before first consumer) Arsenic[3B]	Quarterly	2025/01/07	TW Blended: 7.2 µg/L
			2025/04/01	TW Blended: 6.9 µg/L
			2025/07/02	TW Blended: 6.8 µg/L
			2025/10/01	TW Blended: 6.3 µg/L
			2025/01/07	TW 1st Service: 5.7 µg/L
			2025/04/01	TW 1st Service: 5.6 µg/L
			2025/07/02	TW 1st Service: 5.2 µg/L
			2025/10/01	TW 1st Service: 5.8 µg/L

[3A]As per MDWL Section 5.0 (Table 5) Arsenic is required on a quarterly basis at the monitoring location PH5/6, PH7/8, Water Tower and either a)blending building after mixing 5/6 and 7/8 water or, b) distribution system before first consumer. Quarterly samples at PH 5/6 and PH 7/8 are to determine arsenic concentrations prior to blending for operational and monitoring purposes (non-reportable). Quarterly samples at the Water Tower and Blending building or Distribution system prior to first consumer are to assess arsenic concentration in the drinking water sent to consumers and are considered to be reportable treated water samples.

[3B] In addition to the required quarterly samples, OCWA completes supplemental sampling of the Water Tower and Blending building or Distribution system prior to first consumer on a monthly basis. The values shown in Table 5 are the single sample results collected quarterly as required by Section 5.0 of the MDWL.

Table 4: Summary of Inorganic parameters tested during this reporting period or the most recent sample results[4A] (O.Reg 170/03, Section 11.(6)(c))

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Antimony: Sb (µg/L) - TW1	2021/07/20	< MDL 0.9	6.0	No
Antimony: Sb (µg/L) - TW3	2025/10/07	< MDL 0.6	6.0	No
Antimony: Sb (µg/L) - TW5	2024/01/02	< MDL 0.6	6.0	No
Antimony: Sb (µg/L) - TW6	2024/01/02	< MDL 0.6	6.0	No
Antimony: Sb (µg/L) - TW7	2024/01/02	< MDL 0.6	6.0	No
Antimony: Sb (µg/L) - TW8	2024/01/02	< MDL 0.6	6.0	No
Arsenic: As (µg/L) - TW1	2021/07/20	19.1	10.0	Yes
Arsenic: As (µg/L) - TW3	2025/10/07	3.0	10.0	No
Arsenic: As (µg/L) - TW5	2024/01/02	13.6	10.0	Yes
Arsenic: As (µg/L) - TW6	2024/01/02	13.3	10.0	Yes
Arsenic: As (µg/L) - TW7	2024/01/02	0.4	10.0	No
Arsenic: As (µg/L) - TW8	2024/01/02	0.5	10.0	No
Barium: Ba (µg/L) - TW1	2021/07/20	115.0	1000.0	No
Barium: Ba (µg/L) - TW3	2025/10/07	142.0	1000.0	No
Barium: Ba (µg/L) - TW5	2024/01/02	115.0	1000.0	No
Barium: Ba (µg/L) - TW6	2024/01/02	115.0	1000.0	No
Barium: Ba (µg/L) - TW7	2024/01/02	22.3	1000.0	No
Barium: Ba (µg/L) - TW8	2024/01/02	22.3	1000.0	No
Boron: B (µg/L) - TW1	2021/07/20	20.0	5000.0	No
Boron: B (µg/L) - TW3	2025/10/07	26.0	5000.0	No
Boron: B (µg/L) - TW5	2024/01/02	34.0	5000.0	No
Boron: B (µg/L) - TW6	2024/01/02	33.0	5000.0	No
Boron: B (µg/L) - TW7	2024/01/02	8.0	5000.0	No
Boron: B (µg/L) - TW8	2024/01/02	18.0	5000.0	No
Cadmium: Cd (µg/L) - TW1	2021/07/20	0.036	5.0	No
Cadmium: Cd (µg/L) - TW3	2025/10/07	< MDL 0.003	5.0	No
Cadmium: Cd (µg/L) - TW5	2024/01/02	0.003	5.0	No
Cadmium: Cd (µg/L) - TW6	2024/01/02	< MDL 0.003	5.0	No
Cadmium: Cd (µg/L) - TW7	2024/01/02	0.022	5.0	No
Cadmium: Cd (µg/L) - TW8	2024/01/02	0.019	5.0	No
Chromium: Cr (µg/L) - TW1	2021/07/20	0.3	50.0	No
Chromium: Cr (µg/L) - TW3	2025/10/07	0.19	50.0	No
Chromium: Cr (µg/L) - TW5	2024/01/02	0.14	50.0	No

Parameter & Location	**Sample Date** (yyyy/mm/dd)	**Sample Result**	**Maximum Allowable Concentration (MAC)**	**Exceedance of MAC**
Chromium: Cr (µg/L) - TW6	2024/01/02	0.1	50.0	No
Chromium: Cr (µg/L) - TW7	2024/01/02	0.16	50.0	No
Chromium: Cr (µg/L) - TW8	2024/01/02	0.16	50.0	No
Mercury: Hg (µg/L) - TW1	2021/07/20	< MDL 0.01	1.0	No
Mercury: Hg (µg/L) - TW3	2025/10/07	< MDL 0.01	1.0	No
Mercury: Hg (µg/L) - TW5	2024/01/02	< MDL 0.01	1.0	No
Mercury: Hg (µg/L) - TW6	2024/01/02	< MDL 0.01	1.0	No
Mercury: Hg (µg/L) - TW7	2024/01/02	< MDL 0.01	1.0	No
Mercury: Hg (µg/L) - TW8	2024/01/02	< MDL 0.01	1.0	No
Selenium: Se (µg/L) - TW1	2021/07/20	0.38	50.0	No
Selenium: Se (µg/L) - TW3	2025/10/07	< MDL 0.04	50.0	No
Selenium: Se (µg/L) - TW5	2024/01/02	0.06	50.0	No
Selenium: Se (µg/L) - TW6	2024/01/02	0.04	50.0	No
Selenium: Se (µg/L) - TW7	2024/01/02	0.66	50.0	No
Selenium: Se (µg/L) - TW8	2024/01/02	0.75	50.0	No
Uranium: U (µg/L) - TW1	2021/07/20	0.631	20.0	No
Uranium: U (µg/L) - TW3	2025/10/07	0.471	20.0	No
Uranium: U (µg/L) - TW5	2024/01/02	0.711	20.0	No
Uranium: U (µg/L) - TW6	2024/01/02	0.674	20.0	No
Uranium: U (µg/L) - TW7	2024/01/02	1.27	20.0	No
Uranium: U (µg/L) - TW8	2024/01/02	1.13	20.0	No
Additional Inorganics				
Fluoride (mg/L) - TW1	2018/02/14	1.05	1.5	No
Fluoride (mg/L) - TW3	2025/10/07	1.1	1.5	No
Fluoride (mg/L) - TW5	2023/02/07	1.11	1.5	No
Fluoride (mg/L) - TW6	2023/02/07	1.07	1.5	No
Fluoride (mg/L) - TW7	2023/02/07	0.13	1.5	No
Fluoride (mg/L) - TW8	2023/02/07	0.14	1.5	No
Nitrate (mg/L) - TW1[4C]	-	-	10.0	-
Nitrate (mg/L) - TW1[4C]	-	-	10.0	-
Nitrate (mg/L) - TW1[4C]	-	-	10.0	-
Nitrate (mg/L) - TW1[4C]	-	-	10.0	-
Nitrate (mg/L) - TW3[4C]	-	-	10.0	-
Nitrate (mg/L) - TW3[4C]	-	-	10.0	-
Nitrate (mg/L) - TW3[4C]	-	-	10.0	-
Nitrate : (mg/L) - TW3	2025/10/01	< MDL 0.006	10.0	No
Nitrate : (mg/L) - TW5	2025/01/07	< MDL 0.006	10.0	No
Nitrate : (mg/L) - TW5	2025/04/01	< MDL 0.006	10.0	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Nitrate : (mg/L) - TW5	2025/07/02	< MDL 0.006	10.0	No
Nitrate : (mg/L) - TW5	2025/10/01	< MDL 0.006	10.0	No
Nitrate : (mg/L) - TW6	2025/01/07	0.094	10.0	No
Nitrate : (mg/L) - TW6	2025/04/01	< MDL 0.006	10.0	No
Nitrate : (mg/L) - TW6	2025/07/02	< MDL 0.006	10.0	No
Nitrate : (mg/L) - TW6	2025/10/01	< MDL 0.006	10.0	No
Nitrate : (mg/L) - TW7	2025/01/07	2.18	10.0	No
Nitrate : (mg/L) - TW7	2025/04/01	2.32	10.0	No
Nitrate : (mg/L) - TW7	2025/07/02	2.18	10.0	No
Nitrate : (mg/L) - TW7	2025/10/01	2.28	10.0	No
Nitrate : (mg/L) - TW8	2025/01/07	1.89	10.0	No
Nitrate : (mg/L) - TW8	2025/04/01	2.06	10.0	No
Nitrate : (mg/L) - TW8	2025/07/02	1.96	10.0	No
Nitrate : (mg/L) - TW8	2025/10/01	2.08	10.0	No
Nitrite (mg/L) - TW1[4C]	-	-	1.0	-
Nitrite (mg/L) - TW1[4C]	-	-	1.0	-
Nitrite (mg/L) - TW1[4C]	-	-	1.0	-
Nitrite (mg/L) - TW1[4C]	-	-	1.0	-
Nitrite (mg/L) - TW3[4C]	-	-	1.0	-
Nitrite (mg/L) - TW3[4C]	-	-	1.0	-
Nitrite (mg/L) - TW3[4C]	-	-	1.0	-
Nitrite : (mg/L) - TW3	2025/10/01	< MDL 0.003	1.0	No
Nitrite : (mg/L) - TW5	2025/01/07	< MDL 0.003	1.0	No
Nitrite : (mg/L) - TW5	2025/04/01	< MDL 0.003	1.0	No
Nitrite : (mg/L) - TW5	2025/07/02	< MDL 0.003	1.0	No
Nitrite : (mg/L) - TW5	2025/10/01	< MDL 0.003	1.0	No
Nitrite : (mg/L) - TW6	2025/01/07	< MDL 0.003	1.0	No
Nitrite : (mg/L) - TW6	2025/04/01	< MDL 0.003	1.0	No
Nitrite : (mg/L) - TW6	2025/07/02	< MDL 0.003	1.0	No
Nitrite : (mg/L) - TW6	2025/10/01	< MDL 0.003	1.0	No
Nitrite : (mg/L) - TW7	2025/01/07	< MDL 0.003	1.0	No
Nitrite : (mg/L) - TW7	2025/04/01	< MDL 0.003	1.0	No
Nitrite : (mg/L) - TW7	2025/07/02	< MDL 0.003	1.0	No
Nitrite : (mg/L) - TW7	2025/10/01	< MDL 0.003	1.0	No
Nitrite : (mg/L) - TW8	2025/01/07	< MDL 0.003	1.0	No
Nitrite : (mg/L) - TW8	2025/04/01	< MDL 0.003	1.0	No
Nitrite : (mg/L) - TW8	2025/07/02	< MDL 0.003	1.0	No
Nitrite : (mg/L) - TW8	2025/10/01	< MDL 0.003	1.0	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Aesthetic Objective (AO)	Exceedance	
				AO	> 20 mg/L
Sodium: Na (mg/L) – TW1	2018/02/21[4D]	82.0	200	No	Yes[4E]
Sodium: Na (mg/L) – TW1	2018/02/22[4D]	105.0	200	No	Yes[4E]
Sodium: Na (mg/L) – TW3	2025/10/07[4D]	12.9	200	No	No
Sodium: Na (mg/L) – TW5	2023/02/07[4D]	12.9	200	No	No
Sodium: Na (mg/L) – TW6	2023/02/07[4D]	15.2	200	No	No
Sodium: Na (mg/L) – TW7	2023/02/07[4D]	3.9	200	No	No
Sodium: Na (mg/L) – TW8	2023/02/07[4D]	3.24	200	No	No

Note: MDL = Minimum Detection Limit, TW = Treated Water

Note: There is no regulatory Maximum Allowable Concentration (MAC) Sodium. The aesthetic objective (AO) for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified 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.

[4A]Inorganic Parameters (Schedule 23) are required to be tested every 36 months for a large municipal residential system (O. Reg 170/03 Schedule 13-2.(1)). The most recent set of samples for Inorganic Parameters for TW1 were completed in 2021, the Well is offline until further notice. TW3 were completed October 7, 2025 after commissioning of well following completed upgrades, the next set of samples is scheduled to be collected and tested in 2028. For all other TW sources (TW5, TW6, TW7 and TW8) the last set of samples were collected and tested in 2024, the next set of samples is scheduled to be collected and tested in 2027. The Arsenic samples in Table 4 were collected as part of the requirements of O.Reg 170/03 Schedule 13-2.

[4B]Fluoride is reportable every 60 months. The most recent fluoride samples were taken in 2018 for TW1 as the well is offline. TW3 was taken October 7, 2025 on commissioning of the well following upgrades, the next set of samples is scheduled to be collected and tested in 2030. For all other TW sources (TW5, TW6, TW7 and TW8) the most recent set of samples were taken in 2023. The next set of fluoride samples is scheduled to be tested in 2028.

[4C]Quarterly sampling for Nitrates and Nitrites, as required under O.Reg 170/03, Schedule 13-7 was not conducted for TW1 as the well and TW source was offline during the reporting period. Quarterly sampling for TW3 was not conducted for the first three quarters as the well and TW source were offline. Following completion of upgrades, Well 3 (TW3) was placed back online on September 18, 2025 and quarterly sampling for the fourth quarter of 2025 for TW3 was completed on October 5, 2026.

[4D]Sodium is reportable every 60 months. The most recent sodium samples were taken in 2018 for TW1 as the well has been offline since January 2020. Regulatory sampling and testing will be completed for sodium prior to putting the well and treated water source back online. TW3 was taken October 7, 2025 on commissioning of the well following upgrades, the next set of samples is scheduled to be collected and tested in 2030. For all other TW sources (TW5, TW6, TW7 and TW8) the most recent set of samples were taken in 2023. The next set of fluoride samples is scheduled to be tested in 2028.

[4E]Initial sample of sodium taken February 21, 2018 result 82 mg/L, was reported as AWQI 138776 with corrective actions of re-sampling. A resample was completed in February 22, 2018 with a result of 105 mg/L. Public Health distributed information on elevated sodium levels to the Town of Shelburne for public notice.

Table 5: Summary of lead testing under Schedule 15.1 during this reporting period (O.Reg 170/03, Section 11.(6)(g))

Location/Type & Parameter	Number of Samples	Range of Results		Number of Lead Exceedances (MAC = 10 µg/L)
		Min.	Max.	
Period: January 1 to April 15				
Plumbing – Lead (µg/L) [5B]	N/A	N/A	N/A	N/A
Distribution – Lead (µg/L) [5C]	N/A	N/A	N/A	N/A
Distribution – Alkalinity (mg/L as $CaCO_3$)	3	226	228	0
Distribution – pH	3	7.30	7.50	0
Period: June 15 to October 15				
Plumbing – Lead (µg/L) [5B]	N/A	N/A	N/A	N/A
Distribution – Lead (µg/L) [5C]	N/A	N/A	N/A	N/A
Distribution – Alkalinity (mg/L as $CaCO_3$)	3	233	236	0
Distribution – pH	3	7.40	7.50	0
Period: December 15 to 31				
Plumbing – Lead (µg/L) [5B]	N/A	N/A	N/A	N/A
Distribution – Lead (µg/L) [5C]	N/A	N/A	N/A	N/A
Distribution – Alkalinity (mg/L as $CaCO_3$)	N/A	N/A	N/A	N/A
Distribution - pH	N/A	N/A	N/A	N/A

Note: this is required for large municipal residential systems, small municipal residential systems or non-municipal year-round residential system.

[5A]This system follows a reduced sampling schedule (O.Reg 170/03, Section 15.1.5). The number of sampling points for the system is based on the population served by the system. The number of people served by the system is 10,001 persons, as confirmed by the owner on January 1, 2025 and therefore requires 3 distribution sampling points per sampling period.

[5B]Plumbing samples are not applicable as this system qualifies for the plumbing exemption per O. Reg 170/03 Schedule 15.1-5 (9) (10).

[5C]Distribution lead samples are taken every 36 months. The most recent distribution lead samples were taken during the winter period of December 15, 2022 to April 15, 2023 and summer period of June 15, 2023 to October 15, 2023. The next set of distribution lead samples is scheduled to be sampled during the winter period of December 15, 2025 to April 15, 2026 and summer period of June 15, 2026 to October 15, 2026.

Table 6: Summary of Organic parameters sampled during this reporting period or the most recent sample results[6A] *(O.Reg 170/03, Section 11.(6)(c)).*

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Alachlor (µg/L) - TW1	2021/07/20	<MDL 0.02	5.0	No
Alachlor (µg/L) -TW3	2025/10/07	<MDL 0.02	5.0	No
Alachlor (µg/L) - TW5	2024/01/02	<MDL 0.02	5.0	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Alachlor (µg/L) - TW6	2024/01/02	<MDL 0.02	5.0	No
Alachlor (µg/L) - TW7	2024/01/02	<MDL 0.02	5.0	No
Alachlor (µg/L) - TW8	2024/01/02	<MDL 0.02	5.0	No
Atrazine + N-dealkylated metabolites (µg/L) - TW1	2021/07/20	<MDL 0.01	5.0	No
Atrazine + N-dealkylated metabolites (µg/L) - TW3	2025/10/07	<MDL 0.01	5.0	No
Atrazine + N-dealkylated metabolites (µg/L) - TW5	2024/01/02	<MDL 0.01	5.0	No
Atrazine + N-dealkylated metabolites (µg/L) - TW6	2024/01/02	<MDL 0.01	5.0	No
Atrazine + N-dealkylated metabolites (µg/L) - TW7	2024/01/02	<MDL 0.01	5.0	No
Atrazine + N-dealkylated metabolites (µg/L) - TW8	2024/01/02	<MDL 0.01	5.0	No
Azinphos-methyl (µg/L) - TW1	2021/07/20	<MDL 0.05	20.0	No
Azinphos-methyl (µg/L) - TW3	2025/10/07	<MDL 0.05	20.0	No
Azinphos-methyl (µg/L) - TW5	2024/01/02	<MDL 0.05	20.0	No
Azinphos-methyl (µg/L) - TW6	2024/01/02	<MDL 0.05	20.0	No
Azinphos-methyl (µg/L) - TW7	2024/01/02	<MDL 0.05	20.0	No
Azinphos-methyl (µg/L) - TW8	2024/01/02	<MDL 0.05	20.0	No
Benzene (µg/L) - TW1	2021/07/20	<MDL 0.32	1.0	No
Benzene (µg/L) - TW3	2025/10/07	<MDL 0.32	1.0	No
Benzene (µg/L) - TW5	2024/01/02	<MDL 0.32	1.0	No
Benzene (µg/L) - TW6	2024/01/02	<MDL 0.32	1.0	No
Benzene (µg/L) - TW7	2024/01/02	<MDL 0.32	1.0	No
Benzene (µg/L) - TW8	2024/01/02	<MDL 0.32	1.0	No
Benzo(a)pyrene (µg/L) - TW1	2021/07/20	<MDL 0.004	0.01	No
Benzo(a)pyrene (µg/L) - TW3	2025/10/07	<MDL 0.004	0.01	No
Benzo(a)pyrene (µg/L) - TW5	2024/01/02	<MDL 0.004	0.01	No
Benzo(a)pyrene (µg/L) - TW6	2024/01/02	<MDL 0.004	0.01	No
Benzo(a)pyrene (µg/L) - TW7	2024/01/02	<MDL 0.004	0.01	No
Benzo(a)pyrene (µg/L) - TW8	2024/01/02	<MDL 0.004	0.01	No
Bromoxynil (µg/L) - TW1	2021/07/20	<MDL 0.33	5.0	No
Bromoxynil (µg/L) - TW3	2025/10/07	<MDL 0.33	5.0	No
Bromoxynil (µg/L) - TW5	2024/01/02	<MDL 0.33	5.0	No
Bromoxynil (µg/L) - TW6	2024/01/02	<MDL 0.33	5.0	No
Bromoxynil (µg/L) - TW7	2024/01/02	<MDL 0.33	5.0	No
Bromoxynil (µg/L) - TW8	2024/01/02	<MDL 0.33	5.0	No
Carbaryl (µg/L) - TW1	2021/07/20	<MDL 0.05	90.0	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Carbaryl (µg/L) - TW3	2025/10/07	<MDL 0.05	90.0	No
Carbaryl (µg/L) - TW5	2024/01/02	<MDL 0.05	90.0	No
Carbaryl (µg/L) - TW6	2024/01/02	<MDL 0.05	90.0	No
Carbaryl (µg/L) - TW7	2024/01/02	<MDL 0.05	90.0	No
Carbaryl (µg/L) - TW8	2024/01/02	<MDL 0.05	90.0	No
Carbofuran (µg/L) - TW1	2021/07/20	<MDL 0.01	90.0	No
Carbofuran (µg/L) - TW3	2025/10/07	<MDL 0.01	90.0	No
Carbofuran (µg/L) - TW5	2024/01/02	<MDL 0.01	90.0	No
Carbofuran (µg/L) - TW6	2024/01/02	<MDL 0.01	90.0	No
Carbofuran (µg/L) - TW7	2024/01/02	<MDL 0.01	90.0	No
Carbofuran (µg/L) - TW8	2024/01/02	<MDL 0.01	90.0	No
Carbon Tetrachloride (µg/L) - TW1	2021/07/20	<MDL 0.17	2.0	No
Carbon Tetrachloride (µg/L) - TW3	2025/10/07	<MDL 0.17	2.0	No
Carbon Tetrachloride (µg/L) - TW5	2024/01/02	<MDL 0.17	2.0	No
Carbon Tetrachloride (µg/L) - TW6	2024/01/02	<MDL 0.17	2.0	No
Carbon Tetrachloride (µg/L) - TW7	2024/01/02	<MDL 0.17	2.0	No
Carbon Tetrachloride (µg/L) - TW8	2024/01/02	<MDL 0.17	2.0	No
Chlorpyrifos (µg/L) - TW1	2021/07/20	<MDL 0.02	90.0	No
Chlorpyrifos (µg/L) - TW3	2025/10/07	<MDL 0.02	90.0	No
Chlorpyrifos (µg/L) - TW5	2024/01/02	<MDL 0.02	90.0	No
Chlorpyrifos (µg/L) - TW6	2024/01/02	<MDL 0.02	90.0	No
Chlorpyrifos (µg/L) - TW7	2024/01/02	<MDL 0.02	90.0	No
Chlorpyrifos (µg/L) - TW8	2024/01/02	<MDL 0.02	90.0	No
Diazinon (µg/L) - TW1	2021/07/20	<MDL 0.02	20.0	No
Diazinon (µg/L) - TW3	2025/10/07	<MDL 0.02	20.0	No
Diazinon (µg/L) - TW5	2024/01/02	<MDL 0.02	20.0	No
Diazinon (µg/L) - TW6	2024/01/02	<MDL 0.02	20.0	No
Diazinon (µg/L) - TW7	2024/01/02	<MDL 0.02	20.0	No
Diazinon (µg/L) - TW8	2024/01/02	<MDL 0.02	20.0	No
Dicamba (µg/L) - TW1	2021/07/20	<MDL 0.2	120.0	No
Dicamba (µg/L) - TW3	2025/10/07	<MDL 0.2	120.0	No
Dicamba (µg/L) - TW5	2024/01/02	<MDL 0.2	120.0	No
Dicamba (µg/L) - TW6	2024/01/02	<MDL 0.2	120.0	No
Dicamba (µg/L) - TW7	2024/01/02	<MDL 0.2	120.0	No
Dicamba (µg/L) - TW8	2024/01/02	<MDL 0.2	120.0	No
1,2-Dichlorobenzene (µg/L) - TW1	2021/07/20	<MDL 0.41	200.0	No
1,2-Dichlorobenzene (µg/L) - TW3	2025/10/07	<MDL 0.41	200.0	No
1,2-Dichlorobenzene (µg/L) - TW5	2024/01/02	<MDL 0.41	200.0	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
1,2-Dichlorobenzene (µg/L) - TW6	2024/01/02	<MDL 0.41	200.0	No
1,2-Dichlorobenzene (µg/L) - TW7	2024/01/02	<MDL 0.41	200.0	No
1,2-Dichlorobenzene (µg/L) - TW8	2024/01/02	<MDL 0.41	200.0	No
1,4-Dichlorobenzene (µg/L) - TW1	2021/07/20	<MDL 0.36	5.0	No
1,4-Dichlorobenzene (µg/L) - TW3	2025/10/07	<MDL 0.36	5.0	No
1,4-Dichlorobenzene (µg/L) - TW5	2024/01/02	<MDL 0.36	5.0	No
1,4-Dichlorobenzene (µg/L) - TW6	2024/01/02	<MDL 0.36	5.0	No
1,4-Dichlorobenzene (µg/L) - TW7	2024/01/02	<MDL 0.36	5.0	No
1,4-Dichlorobenzene (µg/L) - TW8	2024/01/02	<MDL 0.36	5.0	No
1,2-Dichloroethane (µg/L) - TW1	2021/07/20	<MDL 0.35	5.0	No
1,2-Dichloroethane (µg/L) - TW3	2025/10/07	<MDL 0.35	5.0	No
1,2-Dichloroethane (µg/L) - TW5	2024/01/02	<MDL 0.35	5.0	No
1,2-Dichloroethane (µg/L) - TW6	2024/01/02	<MDL 0.35	5.0	No
1,2-Dichloroethane (µg/L) - TW7	2024/01/02	<MDL 0.35	5.0	No
1,2-Dichloroethane (µg/L) - TW8	2024/01/02	<MDL 0.35	5.0	No
1,1-Dichloroethylene (µg/L) - TW1	2021/07/20	<MDL 0.33	14.0	No
1,1-Dichloroethylene (µg/L) - TW3	2025/10/07	<MDL 0.33	14.0	No
1,1-Dichloroethylene (µg/L) - TW5	2024/01/02	<MDL 0.33	14.0	No
1,1-Dichloroethylene (µg/L) - TW6	2024/01/02	<MDL 0.33	14.0	No
1,1-Dichloroethylene (µg/L) - TW7	2024/01/02	<MDL 0.33	14.0	No
1,1-Dichloroethylene (µg/L) - TW8	2024/01/02	<MDL 0.33	14.0	No
Dichloromethane (Methylene Chloride) (µg/L) - TW1	2021/07/20	<MDL 0.35	50.0	No
Dichloromethane (Methylene Chloride) (µg/L) - TW3	2025/10/07	<MDL 0.35	50.0	No
Dichloromethane (Methylene Chloride) (µg/L) - TW5	2024/01/02	<MDL 0.35	50.0	No
Dichloromethane (Methylene Chloride) (µg/L) - TW6	2024/01/02	<MDL 0.35	50.0	No
Dichloromethane (Methylene Chloride) (µg/L) - TW7	2024/01/02	<MDL 0.35	50.0	No
Dichloromethane (Methylene Chloride) (µg/L) - TW8	2024/01/02	<MDL 0.35	50.0	No
2,4-Dichlorophenol (µg/L) - TW1	2021/07/20	<MDL 0.15	900.0	No
2,4-Dichlorophenol (µg/L) - TW3	2025/10/07	<MDL 0.15	900.0	No
2,4-Dichlorophenol (µg/L) - TW5	2024/01/02	<MDL 0.15	900.0	No
2,4-Dichlorophenol (µg/L) - TW6	2024/01/02	<MDL 0.15	900.0	No
2,4-Dichlorophenol (µg/L) - TW7	2024/01/02	<MDL 0.15	900.0	No
2,4-Dichlorophenol (µg/L) - TW8	2024/01/02	<MDL 0.15	900.0	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
2,4-Dichlorophenoxy acetic acid (2,4-D) (µg/L) - TW1	2021/07/20	<MDL 0.19	100.0	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (µg/L) - TW3	2025/10/07	<MDL 0.19	100.0	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (µg/L) - TW5	2024/01/02	<MDL 0.19	100.0	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (µg/L) - TW6	2024/01/02	<MDL 0.19	100.0	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (µg/L) - TW7	2024/01/02	<MDL 0.19	100.0	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (µg/L) - TW8	2024/01/02	<MDL 0.19	100.0	No
Diclofop-methyl (µg/L) - TW1	2021/07/20	<MDL 0.4	9.0	No
Diclofop-methyl (µg/L) - TW3	2025/10/07	<MDL 0.4	9.0	No
Diclofop-methyl (µg/L) - TW5	2024/01/02	<MDL 0.4	9.0	No
Diclofop-methyl (µg/L) - TW6	2024/01/02	<MDL 0.4	9.0	No
Diclofop-methyl (µg/L) - TW7	2024/01/02	<MDL 0.4	9.0	No
Diclofop-methyl (µg/L) - TW8	2024/01/02	<MDL 0.4	9.0	No
Dimethoate (µg/L) - TW1	2021/07/20	<MDL 0.06	20.0	No
Dimethoate (µg/L) - TW3	2025/10/07	<MDL 0.06	20.0	No
Dimethoate (µg/L) - TW5	2024/01/02	<MDL 0.06	20.0	No
Dimethoate (µg/L) - TW6	2024/01/02	<MDL 0.06	20.0	No
Dimethoate (µg/L) - TW7	2024/01/02	<MDL 0.06	20.0	No
Dimethoate (µg/L) - TW8	2024/01/02	<MDL 0.06	20.0	No
Diquat (µg/L) - TW1	2021/07/20	<MDL 1.0	70.0	No
Diquat (µg/L) - TW3	2025/10/07	<MDL 1.0	70.0	No
Diquat (µg/L) - TW5	2024/01/02	<MDL 1.0	70.0	No
Diquat (µg/L) - TW6	2024/01/02	<MDL 1.0	70.0	No
Diquat (µg/L) - TW7	2024/01/02	<MDL 1.0	70.0	No
Diquat (µg/L) - TW8	2024/01/02	<MDL 1.0	70.0	No
Diuron (µg/L) - TW1	2021/07/20	<MDL 0.03	150.0	No
Diuron (µg/L) - TW3	2025/10/07	<MDL 0.03	150.0	No
Diuron (µg/L) - TW5	2024/01/02	<MDL 0.03	150.0	No
Diuron (µg/L) - TW6	2024/01/02	<MDL 0.03	150.0	No
Diuron (µg/L) - TW7	2024/01/02	<MDL 0.03	150.0	No
Diuron (µg/L) - TW8	2024/01/02	<MDL 0.03	150.0	No
Glyphosate (µg/L) - TW1	2021/07/20	<MDL 1.0	280.0	No
Glyphosate (µg/L) - TW3	2025/10/07	<MDL 1.0	280.0	No
Glyphosate (µg/L) - TW5	2024/01/02	<MDL 1.0	280.0	No
Glyphosate (µg/L) - TW6	2024/01/02	<MDL 1.0	280.0	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Glyphosate (µg/L) - TW7	2024/01/02	<MDL 1.0	280.0	No
Glyphosate (µg/L) - TW8	2024/01/02	<MDL 1.0	280.0	No
Malathion (µg/L) - TW1	2021/07/20	<MDL 0.02	190.0	No
Malathion (µg/L) - TW3	2025/10/07	<MDL 0.02	190.0	No
Malathion (µg/L) - TW5	2024/01/02	<MDL 0.02	190.0	No
Malathion (µg/L) - TW6	2024/01/02	<MDL 0.02	190.0	No
Malathion (µg/L) - TW7	2024/01/02	<MDL 0.02	190.0	No
Malathion (µg/L) - TW8	2024/01/02	<MDL 0.02	190.0	No
Metolachlor (µg/L) - TW1	2021/07/20	<MDL 0.01	50.0	No
Metolachlor (µg/L) - TW3	2025/10/07	<MDL 0.01	50.0	No
Metolachlor (µg/L) - TW5	2024/01/02	<MDL 0.01	50.0	No
Metolachlor (µg/L) - TW6	2024/01/02	<MDL 0.01	50.0	No
Metolachlor (µg/L) - TW7	2024/01/02	<MDL 0.01	50.0	No
Metolachlor (µg/L) - TW8	2024/01/02	<MDL 0.01	50.0	No
Metribuzin (µg/L) - TW1	2021/07/20	<MDL 0.02	80.0	No
Metribuzin (µg/L) - TW3	2025/10/07	<MDL 0.02	80.0	No
Metribuzin (µg/L) - TW5	2024/01/02	<MDL 0.02	80.0	No
Metribuzin (µg/L) - TW6	2024/01/02	<MDL 0.02	80.0	No
Metribuzin (µg/L) - TW7	2024/01/02	<MDL 0.02	80.0	No
Metribuzin (µg/L) - TW8	2024/01/02	<MDL 0.02	80.0	No
Monochlorobenzene (Chlorobenzene) (µg/L) - TW1	2021/07/20	<MDL 0.3	80.0	No
Monochlorobenzene (Chlorobenzene) (µg/L) - TW3	2025/10/07	<MDL 0.3	80.0	No
Monochlorobenzene (Chlorobenzene) (µg/L) - TW5	2024/01/02	<MDL 0.3	80.0	No
Monochlorobenzene (Chlorobenzene) (µg/L) - TW6	2024/01/02	<MDL 0.3	80.0	No
Monochlorobenzene (Chlorobenzene) (µg/L) - TW7	2024/01/02	<MDL 0.3	80.0	No
Monochlorobenzene (Chlorobenzene) (µg/L) - TW8	2024/01/02	<MDL 0.3	80.0	No
Paraquat (µg/L) - TW1	2021/07/20	<MDL 1.0	10.0	No
Paraquat (µg/L) - TW3	2025/10/07	<MDL 1.0	10.0	No
Paraquat (µg/L) - TW5	2024/01/02	<MDL 1.0	10.0	No
Paraquat (µg/L) - TW6	2024/01/02	<MDL 1.0	10.0	No
Paraquat (µg/L) - TW7	2024/01/02	<MDL 1.0	10.0	No
Paraquat (µg/L) - TW8	2024/01/02	<MDL 1.0	10.0	No
PCB (µg/L) - TW1	2021/07/20	<MDL 0.04	3.0	No
PCB (µg/L) - TW3	2025/10/07	<MDL 0.04	3.0	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
PCB (µg/L) - TW5	2024/01/02	<MDL 0.04	3.0	No
PCB (µg/L) - TW6	2024/01/02	<MDL 0.04	3.0	No
PCB (µg/L) - TW7	2024/01/02	<MDL 0.04	3.0	No
PCB (µg/L) - TW8	2024/01/02	<MDL 0.04	3.0	No
Pentachlorophenol (µg/L) - TW1	2021/07/20	<MDL 0.15	60.0	No
Pentachlorophenol (µg/L) - TW3	2025/10/07	<MDL 0.15	60.0	No
Pentachlorophenol (µg/L) - TW5	2024/01/02	<MDL 0.15	60.0	No
Pentachlorophenol (µg/L) - TW6	2024/01/02	<MDL 0.15	60.0	No
Pentachlorophenol (µg/L) - TW7	2024/01/02	<MDL 0.15	60.0	No
Pentachlorophenol (µg/L) - TW8	2024/01/02	<MDL 0.15	60.0	No
Phorate (µg/L) - TW1	2021/07/20	<MDL 0.01	2.0	No
Phorate (µg/L) - TW3	2025/10/07	<MDL 0.01	2.0	No
Phorate (µg/L) - TW5	2024/01/02	<MDL 0.01	2.0	No
Phorate (µg/L) - TW6	2024/01/02	<MDL 0.01	2.0	No
Phorate (µg/L) - TW7	2024/01/02	<MDL 0.01	2.0	No
Phorate (µg/L) - TW8	2024/01/02	<MDL 0.01	2.0	No
Picloram (µg/L) - TW1	2021/07/20	<MDL 1.0	190.0	No
Picloram (µg/L) - TW3	2025/10/07	<MDL 1.0	190.0	No
Picloram (µg/L) - TW5	2024/01/02	<MDL 1.0	190.0	No
Picloram (µg/L) - TW6	2024/01/02	<MDL 1.0	190.0	No
Picloram (µg/L) - TW7	2024/01/02	<MDL 1.0	190.0	No
Picloram (µg/L) - TW8	2024/01/02	<MDL 1.0	190.0	No
Prometryne (µg/L) - TW1	2021/07/20	<MDL 0.03	1.0	No
Prometryne (µg/L) - TW3	2025/10/07	<MDL 0.03	1.0	No
Prometryne (µg/L) - TW5	2024/01/02	<MDL 0.03	1.0	No
Prometryne (µg/L) - TW6	2024/01/02	<MDL 0.03	1.0	No
Prometryne (µg/L) - TW7	2024/01/02	<MDL 0.03	1.0	No
Prometryne (µg/L) - TW8	2024/01/02	<MDL 0.03	1.0	No
Simazine (µg/L) - TW1	2021/07/20	<MDL 0.01	10.0	No
Simazine (µg/L) - TW3	2025/10/07	<MDL 0.01	10.0	No
Simazine (µg/L) - TW5	2024/01/02	<MDL 0.01	10.0	No
Simazine (µg/L) - TW6	2024/01/02	<MDL 0.01	10.0	No
Simazine (µg/L) - TW7	2024/01/02	<MDL 0.01	10.0	No
Simazine (µg/L) - TW8	2024/01/02	<MDL 0.01	10.0	No
Terbufos (µg/L) - TW1	2021/07/20	<MDL 0.01	1.0	No
Terbufos (µg/L) - TW3	2025/10/07	< MDL 0.01	1.0	No
Terbufos (µg/L) - TW5	2024/01/02	<MDL 0.01	1.0	No
Terbufos (µg/L) - TW6	2024/01/02	<MDL 0.01	1.0	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Terbufos (µg/L) - TW7	2024/01/02	<MDL 0.01	1.0	No
Terbufos (µg/L) - TW8	2024/01/02	<MDL 0.01	1.0	No
Tetrachloroethylene (µg/L) - TW1	2021/07/20	<MDL 0.35	10.0	No
Tetrachloroethylene (µg/L) - TW3	2025/10/07	< MDL 0.35	10.0	No
Tetrachloroethylene (µg/L) - TW5	2024/01/02	<MDL 0.35	10.0	No
Tetrachloroethylene (µg/L) - TW6	2024/01/02	<MDL 0.35	10.0	No
Tetrachloroethylene (µg/L) - TW7	2024/01/02	<MDL 0.35	10.0	No
Tetrachloroethylene (µg/L) - TW8	2024/01/02	<MDL 0.35	10.0	No
2,3,4,6-Tetrachlorophenol (µg/L) - TW1	2021/07/20	<MDL 0.2	100.0	No
2,3,4,6-Tetrachlorophenol (µg/L) - TW3	2025/10/07	< MDL 0.2	100.0	No
2,3,4,6-Tetrachlorophenol (µg/L) - TW5	2024/01/02	<MDL 0.2	100.0	No
2,3,4,6-Tetrachlorophenol (µg/L) - TW6	2024/01/02	<MDL 0.2	100.0	No
2,3,4,6-Tetrachlorophenol (µg/L) - TW7	2024/01/02	<MDL 0.2	100.0	No
2,3,4,6-Tetrachlorophenol (µg/L) - TW8	2024/01/02	<MDL 0.2	100.0	No
Triallate (µg/L) - TW1	2021/07/20	<MDL 0.01	230.0	No
Triallate (µg/L) - TW3	2025/10/07	< MDL 0.01	230.0	No
Triallate (µg/L) - TW5	2024/01/02	<MDL 0.01	230.0	No
Triallate (µg/L) - TW6	2024/01/02	<MDL 0.01	230.0	No
Triallate (µg/L) - TW7	2024/01/02	<MDL 0.01	230.0	No
Triallate (µg/L) - TW8	2024/01/02	<MDL 0.01	230.0	No
Trichloroethylene (µg/L) - TW1	2021/07/20	<MDL 0.44	5.0	No
Trichloroethylene (µg/L) - TW3	2025/10/07	<MDL 0.44	5.0	No
Trichloroethylene (µg/L) - TW5	2024/01/02	<MDL 0.44	5.0	No
Trichloroethylene (µg/L) - TW6	2024/01/02	<MDL 0.44	5.0	No
Trichloroethylene (µg/L) - TW7	2024/01/02	<MDL 0.44	5.0	No
Trichloroethylene (µg/L) - TW8	2024/01/02	<MDL 0.44	5.0	No
2,4,6-Trichlorophenol (µg/L) - TW1	2021/07/20	<MDL 0.25	5.0	No
2,4,6-Trichlorophenol (µg/L) - TW3	2025/10/07	<MDL 0.25	5.0	No
2,4,6-Trichlorophenol (µg/L) - TW5	2024/01/02	<MDL 0.25	5.0	No
2,4,6-Trichlorophenol (µg/L) - TW6	2024/01/02	<MDL 0.25	5.0	No
2,4,6-Trichlorophenol (µg/L) - TW7	2024/01/02	<MDL 0.25	5.0	No
2,4,6-Trichlorophenol (µg/L) - TW8	2024/01/02	<MDL 0.25	5.0	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L) - TW1	2021/07/20	<MDL 0.12	100.0	No

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L) - TW3	2025/10/07	<MDL 0.12	100.0	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L) - TW5	2024/01/02	<MDL 0.12	100.0	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L) - TW6	2024/01/02	<MDL 0.12	100.0	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L) - TW7	2024/01/02	<MDL 0.12	100.0	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L) - TW8	2024/01/02	<MDL 0.12	100.0	No
Trifluralin (µg/L) - TW1	2021/07/20	<MDL 0.02	45.0	No
Trifluralin (µg/L) - TW3	2025/10/07	<MDL 0.02	45.0	No
Trifluralin (µg/L) - TW5	2024/01/02	<MDL 0.02	45.0	No
Trifluralin (µg/L) - TW6	2024/01/02	<MDL 0.02	45.0	No
Trifluralin (µg/L) - TW7	2024/01/02	<MDL 0.02	45.0	No
Trifluralin (µg/L) - TW8	2024/01/02	<MDL 0.02	45.0	No
Vinyl Chloride (µg/L) - TW1	2021/07/20	<MDL 0.17	1.0	No
Vinyl Chloride (µg/L) - TW3	2025/10/07	<MDL 0.17	1.0	No
Vinyl Chloride (µg/L) - TW5	2024/01/02	<MDL 0.17	1.0	No
Vinyl Chloride (µg/L) - TW6	2024/01/02	<MDL 0.17	1.0	No
Vinyl Chloride (µg/L) - TW7	2024/01/02	<MDL 0.17	1.0	No
Vinyl Chloride (µg/L) - TW8	2024/01/02	<MDL 0.17	1.0	No
Trihalomethane: Total (µg/L) Annual Average - DW1	2025 (Quarterly)	2.475	100.0	No
Trihalomethane: Total (µg/L) Annual Average - DW2	2025 (Quarterly)	4.375	100.0	No
HAA Total (µg/L) Annual Average - DW1	2025 (Quarterly)	<MDL 5.3	80.0	No
HAA Total (µg/L) Annual Average - DW2	2025 (Quarterly)	<MDL 5.3	80.0	No

Note: TW = Treated Water, DW = Distribution Water, MDL = Minimum Detection Limit, MAC = Maximum Allowable Concentration, HAA = Haloacetic Acids

[6A]Organic Parameters (Schedule 24) are required to be tested every 36 months for a large municipal residential system (O. Reg 170/03 Schedule 13-4.(1)). The most recent set of samples for Organic Parameters for TW1 were completed in 2021, the Well is offline until further notice. TW3 were completed October 7, 2025 after commissioning of well following completed upgrades, the next set of samples is scheduled to be collected and tested in 2028. For all other TW sources (TW1, TW5, TW6, TW7 and TW8) The last set of samples was collected and tested in 2024, the next set of samples is scheduled to be collected and tested in 2027.

Table 7: List of Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards for the reporting period.

Parameter & Location	Sample Date (yyyy/mm/dd)	Sample Result
Pumphouse PH 5/6 Arsenic[7A]	2025/01/07	TW5: 13.8 µg/L
	2025/04/01	TW5: 13.3 µg/L
	2025/07/02	TW5: 12.7 µg/L
	2025/10/01	TW5: 13.6 µg/L
	2025/01/07	TW6: 13.7 µg/L
	2025/04/01	TW6: 13.3 µg/L
	2025/07/02	TW6: 12.5 µg/L
	2025/10/01	TW6: 13.4 µg/L
Water Tower Arsenic[7A]	2025/01/07	5.5 µg/L
	2025/04/01	5.6 µg/L
	2025/07/02	5.2 µg/L
	2025/10/01	5.4 µg/L
Blended Treated Water or Distribution Water (before first consumer) Arsenic	2025/01/07	TW Blended: 7.2 µg/L
	2025/04/01	TW Blended: 6.9 µg/L
	2025/07/02	TW Blended: 6.8 µg/L
	2025/10/01	TW Blended: 6.3 µg/L
	2025/01/07	TW 1st Service: 5.7 µg/L
	2025/04/01	TW 1st Service: 5.6 µg/L
	2025/07/02	TW 1st Service: 5.2 µg/L
	2025/10/01	TW 1st Service: 5.8 µg/L

[7A]As per MDWL Section 5.0 (Table 5) Arsenic is required on a quarterly basis at the monitoring location PH5/6, PH7/8, Water Tower and either a)blending building after mixing 5/6 and 7/8 water or, b) distribution system before first consumer. Quarterly samples at PH 5/6 and PH 7/8 are to determine arsenic concentrations prior to blending for operational and monitoring purposes (non-reportable). Quarterly samples at the Water Tower and Blending building or Distribution system prior to first consumer are to assess arsenic concentration in the drinking water sent to consumers and are considered to be reportable treated water samples.