



2025 Annual Compliance Report

Section 1 Drinking Water System General Information

This report has been prepared in accordance with the reporting requirements of the Safe Drinking Water Act 2002 O.Reg 170/03, s 11(1), (3), (6), (7), (8), (9.1) and 10 as well as Schedule 22-2.

This annual report has been included in the Water Summary Report presented to Council and a notice has been placed in the local newspaper notifying the public and any interested authority that the Blue Mountains Drinking Water System's 2025 Annual Compliance Report can be viewed on the Town's website at www.thebluemountains.ca, or viewed in the Public Information Binder located at Town Hall. Additionally, a request can be made to receive a copy free of charge.

Drinking Water System Information

Drinking Water System Number	220001762
Drinking Water System Name	The Blue Mountains Drinking Water System
Drinking Water System Owner	Town of The Blue Mountains
Drinking Water System Category	Large Municipal Residential
Period being reported	January 1, 2025 to December 31, 2025
Does your Drinking Water System serve more than 10,000 people?	Yes

Other Drinking Water Systems that receive drinking water from The Blue Mountains Drinking Water System:

Drinking Water System Number	220001165
Drinking Water System Name	Collingwood Drinking Water System

The Town also receives a supplemental supply of water from the Collingwood Drinking Water System, Number 220001165 as detailed in the next section.

Drinking Water System Description

The Thornbury Water Treatment Plant is located at 230 Peel Street. The water source is Georgian Bay, part of the Great Lakes Water System.

A 600mm diameter raw water intake pipe extends approximately 569m into Georgian Bay. A 38mm diameter chlorine feed line and a chlorine solution diffuser provides pre-chlorination and zebra mussel control. Raw water sampling is accomplished by utilizing a 25mm diameter sampling line which extends out from the intake bell.

After entering the intake, three (3) low lift vertical turbine pumps (2 duty, 1 standby) deliver the raw water to two (2) 0.30mm strainers before it's directed to the microfiltration units.

The microfiltration system consists of three (3) racks. Each rack has 80 modules complete with valve racks and controllers. The microfiltration units filter the raw water by forcing it through 0.1 micron sized membranes.

After being filtered, the treated water is discharged into a common header and enters into the clearwell where it is chlorinated (post-chlorination) prior to being drawn by three (3) high lift vertical turbine pumps (2 duty, 1 standby) and pumped through the ultraviolet disinfection system. The ultraviolet system consists of three (3) Trojan UV Reactors, equipped with (4) four lamps each which have been installed to function in parallel on the discharge header from the high lift pumps. Ultraviolet is the method of disinfection in which ultraviolet irradiation is used to inactivate target organisms in the water source. Primary disinfection at the Thornbury WTP is achieved with chlorination, filtration and UV.

Two (2) reverse filtration pumps (1 duty, 1 standby) are used to backwash the microfiltration units into Modified Reverse Filtration Filter (MRFF). The MRFF is isolated from the potable water system and is used to filter the reverse filtration water from the microfiltration units and the backflush discharge from the strainers. This waste filtrate water is monitored for chlorine residual and chemically de-chlorinated before being discharged into the Little Beaver River.

Control of the high lift pumps is via level in the 747 cubic meter elevated storage tank located on Victoria Street in Thornbury.

The distribution system consists of approximately 150 kilometers of watermain ranging in size from 25mm to 400mm. Distribution facilities consist of an elevated tank, seven (7) booster stations, four (4) grade level reservoirs and one (1) standpipe.

Water is supplied to the Town of Collingwood through a connection at Long Point Road. Additionally, the Town can supply the Town of Collingwood by reversing flow at Mountain Road and/or opening the valve at Grand Cypress which will supply water to the western part of Collingwood. The supply of water is metered to ensure cost recovery from the Town of Collingwood.

Thornbury Water Tower

An elevated storage tank is located on Victoria Street in Thornbury and is referred to as the Thornbury Water Tower. This Tower has a capacity of 747 cubic meters. The Tower level supplies water pressure to the 10th Line Booster Station, Thornbury Reservoir, Camperdown Court, Wards Road and Arrowhead Road Booster Station.

10th Line Booster Station

A booster station and re-chlorination facility is located at the 10th Concession and Highway No. 26 and is referred to as the 10th Line Booster Station. The water pressure at this station is boosted for higher distribution pressures and volume to provide fire flows throughout the Lora Bay Service Area. The 10th Line Booster Station is equipped with five booster pumps, re-chlorination equipment and 100% standby power. The firm capacity at this station is 66.67 l/s.

Thornbury Reservoir

A treated water reservoir, booster station and re-chlorination facility is located at 1 Grey Street South, Unit 1 in Thornbury and is referred to as the Thornbury Reservoir. The Thornbury Reservoir is equipped with three centrifugal pumps, re-chlorination equipment and 100% standby power. The firm capacity at this station is 150 l/s.

Camperdown Reservoir

A treated water reservoir, pumphouse and re-chlorination facility is located at 109 Camperdown Road and is referred to as the Camperdown Reservoir. This in-ground reservoir and booster station is equipped with two booster pumps, one centrifugal pump, re-chlorination equipment and 100% standby power. The firm capacity to the upper zone is 12.3 l/s.

Camperdown Court Booster Station

A booster pumping station is located at 103 Camperdown Court and is referred to as the Camperdown Court Booster Station. This station is utilized to fill the Camperdown Reservoir and is equipped with two centrifugal pumps with standby power supplied by the Camperdown Reservoir. The firm capacity at this station is 85 l/s.

Wards Road Booster Station

A booster station is located at 153 Wards Road and is referred to as the Wards Road Booster Station. It services the upper portion of Hidden Lake Road. This booster station is equipped with two centrifugal pumps. This station is equipped with 100% standby power. The firm capacity at this station is 16 l/s.

Arrowhead Road Booster Station

A booster station and re-chlorination facility is located at 122 Arrowhead Road and is referred to as the Arrowhead Road Booster Station. This station is equipped with three vertical turbine

pumps, re-chlorination equipment and 40% standby power. This station provides water to the Craigleith Service Area and supplies water to the Happy Valley Road Reservoirs. Provisions were made through piping and valving to reverse the flow of water from the Craigleith Service Area to the Camperdown and Thornbury Service Areas. The firm capacity at this station is 68 l/s.

Happy Valley Reservoirs

Two reservoirs are located at 136 Happy Valley Road and are referred to as the Happy Valley Road Reservoirs. These reservoirs have a combined capacity of 5,000 cubic meters.

Happy Valley Road Booster Station

A booster pumping station and re-chlorination facility is also located at 136 Happy Valley Road and is referred to as the Happy Valley Road Booster Station. This station is equipped with two pumps and re-chlorination equipment. This station supplies water to the Swiss Meadows Standpipe and Service Area. The firm capacity of this station is 5.35 l/s.

Swiss Meadows Standpipe

A 536 cubic meters standpipe is located at 154 Scandia Lane above the Swiss Meadows Subdivision.

Mountain Road Booster Station

A booster pumping station is located at 795930 at the intersection of Grey Road 19 and Grey Road 21 and is referred to as the Mountain Road Booster Station. This station is equipped with two in-line water booster pumps and re-chlorination equipment. This station has a firm capacity of 46 l/s. The water supply for this station is received from the Town of Collingwood.

Summary of Water Treatment Chemicals Used Over this Reporting Period

Chlorine (liquefied gas)

Sodium Hypochlorite (12%)

Citric Acid

Sodium Hydroxide

Calcium Thiosulphate

Summary of Major Capital Monetary Expenses Incurred in 2025

Description	Cost Incurred (2025) ¹
Eastside Water Storage and Supply EA	\$155,236
Substandard Watermain Replacement	\$1,292,903
Aspen Way PRV Replacement	\$25,257
Chlorine Intake Line Replacement	\$103,779
Happy Valley Reservoir Upgrades	\$231,735
Thornbury Water Treatment Plant High Lift Pump Replacement	\$78,260
Arrowhead Booster Pump Station Rebuild	\$45,819
Lakewood Drive Water and Wastewater Main Replacement Engineering	\$133,966

Summary of Adverse Drinking Water Quality Results

This section describes all Adverse Water Quality Incidents (AWQI). This term refers to any treated water test result that does not meet a provincial water quality standard or a situation where disinfection of the Town’s drinking water may be compromised. A single AWQI does not necessarily mean that the system’s drinking water is unsafe – it indicates that, on at least one occasion, a water quality standard was not met.

The Town’s drinking water system is operated in accordance with Ontario Regulation 170/03 and Operators follow the direction of this regulation when dealing with incidents of adverse drinking water. There were no incidents of adverse drinking water during this reporting period, however, an incident was reported to MECP due to an Ultraviolet Transmittance (UVT) bulb failure.

On May 11, 2025, the On-Call Operator logged onto the SCADA system and noted an alarm banner flashing for a UVT system signal error. The transmittance SCADA display was flashing purple with a UVT reading of 93.87. The On-Call Operator did not receive an alarm call-out. The On-Call Operator replaced the lamp and returned the unit to service. The Town’s SCADA Integrator programmed a new alarm to call out should this event occur again in the future.

¹ Financial information as of November 30, 2025

Summary of Microbiological testing done under Schedule 10,11 or 12 of Regulation 170/03 during this reporting period

Parameter	Number of Samples	Range of E. Coli or Fecal Results Min # to Max #	Range of Total Coliform Results Min # to Max #	Number of HPC Samples	Results of HPC Results Min # to Max #
Raw	52	0 to 6 ²	0 to 130	N/A	N/A
Treated	52	0	0	52	0 to 1
Distribution	541	0	0	484	0 to 60

Summary of Operational Testing completed under Schedule 7,8, or 9 of Ontario Regulation 170/03 during this reporting period

	Number of Grab Samples	Range of Results Min # to Max # ³	Unit of Measure
Turbidity			
WTP Discharge	Continuous Monitoring	0.024 to 0.668	NTU
Rack 1	Continuous Monitoring	0.013 to 0.089	NTU
Rack 2	Continuous Monitoring	0.010 to 0.087	NTU
Rack 3	Continuous Monitoring	0.012 to 0.071	NTU
Chlorine			
Treated	Continuous Monitoring	1.369 to 2.034	mg/L
Discharge	Continuous Monitoring	1.364 to 1.841	mg/L

² NDOGT – No Data Overgrown with Target Bacteria for Raw EC/TC Results have been removed from Maximum values

³ Higher Chlorine residuals at Booster Stations resulting from system start-up and shut-down spikes

	Number of Grab Samples	Range of Results Min # to Max #³	Unit of Measure
Thornbury Reservoir	Continuous Monitoring	1.283 to 2.636	mg/L
10 th Line Booster Station	Continuous Monitoring	1.264 to 2.938	mg/L
Arrowhead Road Booster Station	Continuous Monitoring	1.321 to 1.964	mg/L
Arrowhead Road Booster Station By-pass	Continuous Monitoring	1.188 to 1.853	mg/L
Happy Valley Booster Station	Continuous Monitoring	0.728 to 2.938	mg/L
Camperdown Reservoir Upper Zone	Continuous Monitoring	1.165 to 2.859	mg/L
Camperdown Influent / Effluent	Continuous Monitoring	1.172 to 2.482	mg/L
Mountain Road Booster Station	Continuous Monitoring	0.657 to 2.688	mg/L
Distribution	6,407	0.14 to 1.960	mg/L

Summary of Additional Testing and Sampling

Please see attached additional sampling results for Haloacetic Acids, Trihalomethanes, Process Wastewater Suspended Solids, Total Chlorine, Nitrate, Nitrite, pH and Alkalinity.

Haloacetic Acid (HAA)

Quarter	HAA Sample Result # 1 ug/L	Sampling Location	HAA Sample Result # 2 ug/L	Sampling Location	HAA Sample Result # 3 ug/L	Sampling Location	Quarterly Average ug/L
Jan 1 - March 31, 2025	5.3	Thornbury WTP – Treated	11.2	Wards Road Booster Station	18.3	Grand Cypress SS (019)	
Apr 1 – Jun 30, 2025	11.7	Thornbury WTP – Treated	23.3	Drakes Path SS (018)	22.6	Carmichael Crescent SS (035)	
Jul 1 – Sep 30, 2025	11.8	Thornbury WTP – Treated	26.2	Drakes Path SS (018)	24.7	Carmichael Crescent SS (035)	
Oct 1 – Dec 31, 2025	20.9	Thornbury WTP – Treated	26.9	Wards Road Booster Station	31.2	Grand Cypress SS (019)	
RAA ⁴ # 9 Calculated Average							19.5 ug/L

⁴ Running Annual Average (RAA) is the annual average of quarterly results. According to the Ontario Drinking Water Quality Standards, the Maximum Acceptable Concentration (MAC) for HAAs is 80 µg/L.

This document can be made available in other accessible formats as soon as practicable and upon request

Trihalomethanes

Quarter	THM Sample Result # 1 ug/L	Sampling Location	THM Sample Result # 2 ug/L	Sampling Location	Quarterly Average ug/L
Oct 1 – Dec 31, 2024	30	Wards Road Booster Station	28	Swiss Meadows Standpipe	
Jan 1 – Mar 31, 2025	24	Wards Road Booster Station	41	Swiss Meadows Standpipe	
Apr 1 – Jun 30, 2025	36	Drakes Path SS (018)	34	Swiss Meadows Standpipe	
Jul 1 – Sep 30, 2025	62	Drakes Path SS (018)	43	Swiss Meadows Standpipe	
RAA⁵ # 10 Calculated Average					18.625
Oct 1 – Dec 31, 2025	32	Wards Road Booster Station	29	Swiss Meadows Standpipe	

⁵ Running Annual Average (RAA) is the annual average of quarterly results. According to the Ontario Drinking Water Quality Standards, the Maximum Acceptable Concentration (MAC) for THMS is 100 µg/L.

Process Wastewater Suspended Solids

Sample Date	Result Value	Unit of Measure
January 13, 2025	6	mg/L
February 3, 2025	3	mg/L
March 3, 2025	13	mg/L
April 14, 2025	9	mg/L
May 5, 2025	9	mg/L
June 2, 2025	2	mg/L
July 7, 2025	3	mg/L
August 5, 2025	<2	mg/L
September 2, 2025	2	mg/L
October 6, 2025	4	mg/L
November 3, 2025	13	mg/L
December 1, 2025	19	mg/L
Annual Average	7.5	mg/L

Total Chlorine

Sample Date	Result Value	Unit of Measure
January 6, 2025	0.01	mg/L
February 3, 2025	0.01	mg/L
March 3, 2025	0.02	mg/L
April 8, 2025	0.00	mg/L
May 5, 2025	0.00	mg/L
June 2, 2025	0.00	mg/L

Sample Date	Result Value	Unit of Measure
July 2, 2025	0.02	mg/L
August 5, 2025	0.02	mg/L
September 1, 2025	0.00	mg/L
October 6, 2025	0.00	mg/L
November 3, 2025	0.00	mg/L
December 1, 2025	0.00	mg/L
Annual Average	0.01	mg/L

Nitrate Results

Sample Date	Location	Results (mg/L)
January 6, 2025	Thornbury WTP – Raw	0.328
January 6, 2025	Thornbury WTP - Treated	0.325
February 3, 2025	Thornbury WTP – Raw	0.258
February 3, 2025	Thornbury WTP - Treated	0.260
March 3, 2025	Thornbury WTP – Raw	0.006
March 3, 2025	Thornbury WTP – Treated	0.322
March 3, 2025	Little Beaver – Source Protection	1.700
March 3, 2025	Big Head River – Source Protection	1.810
March 3, 2025	Beaver River – Source Protection	1.420
March 3, 2025	Indian Brook	1.810
April 7, 2025	Thornbury WTP – Raw	0.271
April 7, 2025	Thornbury WTP – Treated	0.269
May 5, 2025	Thornbury WTP - Raw	0.247

Sample Date	Location	Results (mg/L)
May 5, 2025	Thornbury WTP - Treated	0.252
June 2, 2025	Thornbury WTP – Raw	0.242
June 2, 2025	Thornbury WTP – Treated	0.251
June 2, 2025	Little Beaver – Source Protection	0.951
June 2, 2025	Big Head River – Source Protection	0.923
June 2, 2025	Beaver River – Source Protection	0.210
June 2, 2025	Indian Brook	1.020
July 7, 2025	Thornbury WTP – Raw	0.248
July 7, 2025	Thornbury WTP – Treated	0.251
August 5, 2025	Thornbury WTP – Raw	0.224
August 5, 2025	Thornbury WTP – Treated	0.228
September 2, 2025	Thornbury WTP – Raw	0.212
September 2, 2025	Thornbury WTP – Treated	0.213
September 2, 2025	Little Beaver River – Source Protection	0.122
September 2, 2025	Big Head River – Source Protection	0.529
September 2, 2025	Beaver River – Source Protection	0.006
September 2, 2025	Indian Brook	0.179
October 6, 2025	Thornbury WTP – Raw	0.202
October 6, 2025	Thornbury WTP - Treated	0.210
November 3, 2025	Thornbury WTP – Raw	0.216
November 3, 2025	Thornbury WTP - Treated	0.217
December 1, 2025	Thornbury WTP – Raw	0.222
December 1, 2025	Thornbury WTP – Treated	0.242

Sample Date	Location	Results (mg/L)
December 1, 2025	Little Beaver River – Source Protection	1.690
December 1, 2025	Big Head River – Source Protection	1.340
December 1, 2025	Beaver River – Source Protection	0.595
December 1, 2025	Indian Brook	2.090

Nitrite Results

Sample Date	Location	Results (mg/L)
January 6, 2025	Thornbury WTP – Raw	0.003
January 6, 2025	Thornbury WTP -Treated	0.003
February 3, 2025	Thornbury WTP – Raw	0.003
February 3, 2025	Thornbury WTP - Treated	0.003
March 3, 2025	Thornbury WTP – Raw	0.003
March 3, 2025	Thornbury WTP – Treated	0.003
March 3, 2025	Little Beaver – Source Protection	0.003
March 3, 2025	Big Head River – Source Protection	0.003
March 3, 2025	Beaver River – Source Protection	0.010
March 3, 2025	Indian Brook	0.003
April 7, 2025	Thornbury WTP – Raw	0.003
April 7, 2025	Thornbury WTP - Treated	0.003
May 5, 2025	Thornbury WTP – Raw	0.003
May 5, 2025	Thornbury WTP - Treated	0.003
June 2, 2025	Thornbury WTP - Raw	0.003
June 2, 2025	Thornbury WTP – Treated	0.003

Sample Date	Location	Results (mg/L)
June 2, 2025	Little Beaver – Source Protection	0.003
June 2, 2025	Big Head River – Source Protection	0.003
June 2, 2025	Beaver River – Source Protection	0.004
June 2, 2025	Indian Brook	0.003
July 7, 2025	Thornbury WTP – Raw	0.003
July 7, 2025	Thornbury WTP – Treated	0.003
August 5, 2025	Thornbury WTP – Raw	0.003
August 5, 2025	Thornbury WTP – Treated	0.003
September 2, 2025	Thornbury WTP – Raw	0.003
September 2, 2025	Thornbury WTP – Treated	0.003
September 2, 2025	Little Beaver – Source Protection	0.003
September 2, 2025	Big Head River – Source Protection	0.003
September 2, 2025	Indian Brook	0.003
October 6, 2025	Thornbury WTP – Raw	0.003
October 6, 2025	Thornbury WTP - Treated	0.003
November 3, 2025	Thornbury WTP – Raw	0.003
November 3, 2025	Thornbury WTP - Treated	0.003
December 1, 2025	Thornbury WTP – Raw	0.003
December 1, 2025	Thornbury WTP – Treated	0.003
December 1, 2025	Little Beaver – Source Protection	0.003
December 1, 2025	Big Head River – Source Protection	0.003
December 1, 2025	Beaver River – Source Protection	0.003
December 1, 2025	Indian Brook	0.003

pH & Alkalinity Results

Date	Location	pH	Alkalinity (mg/L as CaCO3)
January 13, 2025	Hydrant # 375 – 230 Peel Street	7.60	77
January 13, 2025	Hydrant # 438 – 216 Cameron Street	7.70	76
January 13, 2025	Hydrant # 499 – 138 Orchard Drive	7.70	76
January 13, 2025	Hydrant # 476 – 67 Alice Street East	7.80	76
October 6, 2025	Hydrant # 001 by 158 Bay Street West	7.80	74
October 6, 2025	Hydrant # 557 Huron Street East	7.90	75
October 6, 2025	Hydrant # 441 by 184 Cameron Street	7.80	75
October 6, 2025	Hydrant # 480 by 83 Ferguson	7.80	79
November 3, 2025	Hydrant # 564 Elgin Street South # Arthur Street East	7.70	75

Summary of Inorganic Parameters

Summary of Inorganic parameters tested during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	March 10, 2025	0.6	ug/L	No
Arsenic	March 10, 2025	0.4	ug/L	No
Barium	March 10, 2025	12.7	ug/L	No
Boron	March 10, 2025	13	ug/L	No
Cadmium	March 10, 2025	0.003	ug/L	No
Chromium	March 10, 2025	0.19	ug/L	No

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Mercury	March 10, 2025	0.01	ug/L	No
Sodium	Mar 15, 2021	4.70	mg/L	No
Selenium	March 10, 2025	0.12	ug/L	No
Uranium	March 10, 2025	0.180	ug/L	No
Fluoride	March 10, 2025	0.06	mg/L	No
Nitrite	December 1, 2025	0.003	mg/L	No
Nitrate	December 1, 2025	0.242	mg/L	No

Summary of Lead Testing

Summary of lead testing under Schedule 15.1 during this reporting period

Location Type	Number of Samples	Range of Lead Results (min#) – (max#)	Unit of Measure	Number of Exceedances
Distribution	11	0.01 to 0.44	ug/L	0

Summary of Organic Parameters

Summary of Organic parameters sampled during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Maximum Acceptable Concentration (MAC)	Interim Maximum Acceptable Concentration (IMAC)	Exceedance
Alachlor	March 10, 2025	0.02	ug/L		0.005 mg/L	No

Parameter	Sample Date	Result Value	Unit of Measure	Maximum Acceptable Concentration (MAC)	Interim Maximum Acceptable Concentration (IMAC)	Exceedance
Atrazine + N-dealkylated metabolites	March 10, 2025	0.01	ug/L		0.005 mg/L	No
Atrazine	March 10, 2025	0.01	ug/L	0.00001 mg/L		No
Desethyl atrazine	March 10, 2025	0.01	ug/L	0.0001 mg/L		No
Azinphos-methyl	March 10, 2025	0.05	ug/L			No
Benzene	March 10, 2025	0.32	ug/L	0.005 mg/L		No
Benzo(a)pyrene	March 10, 2025	0.004	ug/L	0.00001 mg/L		No
Bromoxynil	March 10, 2025	0.33	ug/L		0.005 mg/L	No
Carbaryl	March 10, 2025	0.05	ug/L	0.09 mg/L	0.005 mg/L	No
Carbofuran	March 10, 2025	0.01	ug/L	0.09 mg/L		No
Carbon Tetrachloride	March 10, 2025	0.17	ug/L	0.005 mg/L		No
Chlorpyrifos	March 10, 2025	0.02	ug/L	0.09 mg/L		No
Diazinon	March 10, 2025	0.02	ug/L	0.02 mg/L		No
Dicamba	March 10, 2025	0.20	ug/L	0.12 mg/L		No

Parameter	Sample Date	Result Value	Unit of Measure	Maximum Acceptable Concentration (MAC)	Interim Maximum Acceptable Concentration (IMAC)	Exceedance
1,2-Dichlorobenzene	March 10, 2025	0.41	ug/L	0.20 mg/L		No
Diclofop-methyl	March 10, 2025	0.40	ug/L	0.0004		No
1,4-Dichlorobenzene	March 10, 2025	0.36	ug/L	0.005 mg/L		No
1,2-Dichloroethane	March 10, 2025	0.35	ug/L	0.005 mg/L		No
1,1-Dichloroethylene (vinylidene chloride)	March 10, 2025	0.33	ug/L	0.014 mg/L		No
Dichloromethane	March 10, 2025	0.35	ug/L	0.05 mg/L		No
2-4 Dichlorophenol	March 10, 2025	0.15	ug/L	0.9 mg/L		No
2,4-Dichlorophenoxy acetic acid (2,4-D)	March 10, 2025	0.19	ug/L	0.1 mg/L		No
Diclofop-methyl	March 10, 2025	0.40	ug/L	0.009 mg/L		No
Dimethoate	March 10, 2025	0.06	ug/L	0.02 mg/L		No
Diquat	March 10, 2025	1	ug/L	0.07 mg/L		No
Diuron	March 10, 2025	0.03	ug/L	0.15 mg/L		No
Glyphosate	March 10, 2025	1	ug/L	0.28 mg/L		No

Parameter	Sample Date	Result Value	Unit of Measure	Maximum Acceptable Concentration (MAC)	Interim Maximum Acceptable Concentration (IMAC)	Exceedance
Malathion	March 10, 2025	0.02	ug/L	0.19 mg/L		No
2-Methyl-4-chlorophenoxyacetic acid (MCPA)	March 10, 2025	0.00012	mg/L	0.1 mg/L		No
Metolachlor	March 10, 2025	0.01	ug/L	0.05 mg/L		No
Metribuzin	March 10, 2025	0.02	ug/L	0.08 mg/L		No
Monochlorobenzene	March 10, 2025	0.30	ug/L	0.08 mg/L		No
Paraquat	March 10, 2025	1	ug/L	0.01 mg/L		No
Pentachlorophenol	March 10, 2025	0.15	ug/L	0.06 mg/L		No
Phorate	March 10, 2025	0.01	ug/L	0.002 mg/L		No
Picloram	March 10, 2025	1	ug/L	0.19 mg/L		No
Polychlorinated Biphenyls(PCBs) – Total	March 10, 2025	0.04	ug/L	0.003 mg/L		No
Prometryne	March 10, 2025	0.03	ug/L	0.001 mg/L		No
Simazine	March 10, 2025	0.01	ug/L	0.01 mg/L		No
THMs (RAA # 10 Calculated Average)		18.63	ug/L	0.100 mg/L based on a		

Parameter	Sample Date	Result Value	Unit of Measure	Maximum Acceptable Concentration (MAC)	Interim Maximum Acceptable Concentration (IMAC)	Exceedance
				four-quarter moving annual average		
Terbufos	March 10, 2025	0.01	ug/L		0.001 mg/L	No
Tetrachloroethylene (perchloroethylene)	March 10, 2025	0.35	ug/L	0.03 mg/L		No
2,3,4,6-Tetrachlorophenol	March 10, 2025	0.20	ug/L	0.1 mg/L		No
Triallate	March 10, 2025	0.01	ug/L	0.23 mg/L		No
Trichloroethylene	March 10, 2025	0.44	ug/L	0.005 mg/L		No
2,4,6-Trichlorophenol	March 10, 2025	0.25	ug/L	0.005 mg/L		No
Trifluralin	March 10, 2025	0.02	ug/L	0.045 mg/L		No
Vinyl Chloride	March 10, 2025	0.17	ug/L	0.002 mg/L		No

Inorganic or Organic Parameter(s) that Exceeded Half the Standard Prescribed in Schedule 2 of Ontario Drinking Water Quality Standards

Parameter	Result Value	Unit of Measure	Date of Sample
THMS	62	ug/L	September 2, 2025

**Additional Sampling for Per and Polyfluoroalkyl (PFAs) Analysis as requested by
Town of The Blue Mountains Municipal Council**

On March 10, 2025, Town Operators collected samples for both raw and treated water from the Thornbury Water Treatment Plant and submitted the samples for PFAs analysis. Results from the treated water analysis are as follows:

Parameter	Result Value	Unit of Measure	Reporting Detection Limit (RDL)
n-Perfluorobutanoic acid (PFBA)	1.4	ng/L	1.0
n-Perfluoropentanoic acid (PFPeA)	<1.0	ng/L	1.0
n-Perfluorohexanoic acid (PFHxA)	<1.0	ng/L	1.0
n-Perfluoroheptanoic acid (PFHpA)	<1.0	ng/L	1.0
n-Perfluorooctanoic acid (PFOA)	0.94	ng/L	0.51
n-Perfluorononanoic acid (PFNA)	<0.51	ng/L	0.51
n-Perfluorodecanoic acid (PFDA)	<0.51	ng/L	0.51
n-Perfluoroundecanoic acid (PFUnA)	<1.0	ng/L	1.0
n-Perfluorododecanoic acid (PFDoA)	<1.0	ng/L	1.0
n-Perfluorotridecanoic acid (PFTrA)	<1.0	ng/L	1.0
n-Perfluorotetradecanoic acid (PFTeA)	<1.0	ng/L	1.0
n-Perfluorobutane sulfonic acid (PFBS)	<1.0	ng/L	1.0
n-Perfluoropentane sulfonic acid (PFPeS)	<1.0	ng/L	1.0
Perfluorohexane sulfonic acid (PFHxS)	<1.0	ng/L	1.0
n-Perfluoroheptane sulfonic acid (PFHpS)	<1.0	ng/L	1.0
Perfluorooctane sulfonic acid (PFOS)	0.86	ng/L	0.51
n-Perfluorononanesulfonic acid (PFNS)	<1.0	ng/L	1.0
n-Perfluorodecane sulfonic acid (PFDS)	<1.0	ng/L	1.0

Parameter	Result Value	Unit of Measure	Reporting Detection Limit (RDL)
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)	<2.0	ng/L	2.0
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	<2.0	ng/L	2.0
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	<2.0	ng/L	2.0
n-Perfluorooctane sulfonamide (PFOSA)	<0.51	ng/L	0.51
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	<1.0	ng/L	1.0
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSSA)	<1.0	ng/L	1.0
Hexafluoropropylene oxide dimer acid (HFPO-DA)	<1.0	ng/L	1.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.0	ng/L	1.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	<1.0	ng/L	1.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	<1.0	ng/L	1.0
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<1.0	ng/L	1.0
9-Chlorohexadecafluoro-3-oxanonane-1- sulfonic acid (9Cl-PF3ONS)	<1.0	ng/L	1.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	<2.0	ng/L	2.0
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	<1.0	ng/L	1.0
3-Perfluoropropyl propanoic acid (3:3 FTCA)	<5.1	ng/L	5.1
3-Perfluoropentyl propanoic acid (5:3 FTCA)	<1.0	ng/L	1.0
3-Perfluoroheptyl propanoic acid (7:3 FTCA)	<1.0	ng/L	1.0