



2022 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 2022 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. A copy 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, 2022, to December 31, 2022
Does your Drinking Water System serve more than 10,000 people?	Yes

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 240 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 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, 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 40 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 2022

Description	Cost Incurred (2022)¹
Water Tower Rehabilitation	\$30,551
Leak Detection Survey	\$19,850
Eastside Water Storage and Supply Environmental Assessment	\$93,862
Westside Water Storage and Distribution Improvements	\$73,582
UV Replacement	\$35,036
Water Loss Gap Assessment	\$12,338
Water Treatment Plant Capacity Assessment	\$14,430
Water Treatment Plant Lighting Retrofit	\$18,825
Camera Installation at Various Booster Stations	\$25,923
Chlorine Gas Emergency Shut-offs	\$18,856

¹ Financial information as of January 30, 2023

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 quality in 2022.

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 20	0 to 420	Not Required	
Treated	52	0	0	52	0 to 3
Distribution	520	0	0	403	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 #	Unit of Measure
Turbidity			
WTP Discharge	Continuous Monitoring	0.026 to 0.548	NTU
Rack 1	Continuous Monitoring	0.010 to 0.099	NTU
Rack 2	Continuous Monitoring	0.013 to 0.138	NTU

	Number of Grab Samples	Range of Results Min # to Max #	Unit of Measure
Rack 3	Continuous Monitoring	0.012 to 0.080	NTU
Chlorine			
Treated	Continuous Monitoring	1.447 to 2.060	mg/L
Discharge	Continuous Monitoring	1.371 to 1.860	mg/L
Thornbury Reservoir	Continuous Monitoring	1.036 to 2.282	mg/L
10 th Line Booster Station	Continuous Monitoring	1.362 to 3.145	mg/L
Arrowhead Road Booster Station	Continuous Monitoring	1.000 to 1.964	mg/L
Arrowhead Road Booster Station By-pass	Continuous Monitoring	1.161 to 1.886	mg/L
Happy Valley Booster Station	Continuous Monitoring	1.172 to 2.750	mg/L
Camperdown Reservoir Upper Zone	Continuous Monitoring	1.180 to 2.595	mg/L
Camperdown Influent / Effluent	Continuous Monitoring	1.111 to 2.778	mg/L
Mountain Road Booster Station	Continuous Monitoring	1.039 to 2.046	mg/L
Distribution	5,019	0.18 to 1.81	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, 2022	5.3	Thornbury WTP – Treated	16	Wards Road Booster Station	23.5	Swiss Meadows Standpipe	
Apr 1 – Jun 30, 2022	5.3	Thornbury WTP – Treated	20.7	Patricia Drive SS (020)	26.5	Swiss Meadows Standpipe	
Jul 1 – Sep 30, 2022	33.4	Thornbury WTP – Treated	16.8	Patricia Drive SS (020)	29.7	Swiss Meadows Standpipe	
Oct 1 – Dec 31, 2022	14.3	Thornbury WTP – Treated	25.5	Mountain Road Booster Station	28.5	Swiss Meadows Standpipe	
RAA ² # 6 Calculated Average							20 ug/L

² 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, 2021					
Jan 1 – Mar 31, 2022	29	Camperdown Reservoir	29	Swiss Meadows Standpipe	
Apr 1 – Jun 30, 2022	31	Arlberg Crescent SS (017)	36	Swiss Meadows Standpipe	
Jul 1 – Sep 30, 2022	54	Swiss Meadows Standpipe	58	Arlberg Crescent SS (017)	
RAA # 7 Calculated Average					19.56 ug/L
Oct 1 – Dec 31, 2022	37	Camperdown Reservoir	38	Swiss Meadows Standpipe	

Process Wastewater Suspended Solids

Sample Date	Result Value	Unit of Measure
January 4, 2022	8	mg/L
February 7, 2022	3	mg/L
March 7, 2022	7	mg/L
April 6, 2022	7	mg/L
May 2, 2022	17	mg/L
June 6, 2022	2	mg/L
July 4, 2022	16	mg/L
August 2, 2022	4	mg/L
September 6, 2022	8	mg/L
October 3, 2022	13	mg/L
November 7, 2022	4	mg/L
December 5, 2022	26	mg/L
Annual Average	9.6	mg/L

Total Chlorine

Sample Date	Result Value	Unit of Measure
January 3, 2022	0.00	mg/L
February 7, 2022	0.00	mg/L
March 1, 2022	0.02	mg/L
March 7, 2022	0.00	mg/L
April 4, 2022	0.00	mg/L
May 2, 2022	0.00	mg/L
June 8, 2022	0.01	mg/L

Sample Date	Result Value	Unit of Measure
July 6, 2022	0.02	mg/L
July 7, 2022	0.01	mg/L
July 12, 2022	0.01	mg/L
July 13, 2022	0.01	mg/L
July 14, 2022	0.00	mg/L
August 2, 2022	0.00	mg/L
August 22, 2022	0.00	mg/L
September 14, 2022	0.01	mg/L
October 12, 2022	0.00	mg/L
November 3, 2022	0.02	mg/L
December 5, 2022	0.00	mg/L
Annual Average	0.01	mg/L

Nitrate Results

Sample Date	Location	Results (mg/L)
January 4, 2022	Thornbury WTP – Raw	0.262
January 4, 2022	Thornbury WTP – Treated	0.264
February 7, 2022	Thornbury WTP – Raw	0.298
February 7, 2022	Thornbury WTP – Treated	0.274
March 7, 2022	Thornbury WTP – Raw	0.275
March 7, 2022	Thornbury WTP – Treated	0.283
March 7, 2022	Little Beaver River – Source Protection	1.160
March 7, 2022	Beaver River – Source Protection	1.150

Sample Date	Location	Results (mg/L)
March 7, 2022	Indian Brook – Source Protection	1.730
April 4, 2022	Thornbury WTP – Raw	0.271
April 4, 2022	Thornbury WTP – Treated	0.278
May 2, 2022	Thornbury WTP – Raw	0.307
May 2, 2022	Thornbury WTP – Treated	0.294
June 6, 2022	Thornbury WTP – Raw	0.259
June 6, 2022	Thornbury WTP – Treated	0.267
June 6, 2022	Little Beaver River – Source Protection	0.534
June 6, 2022	Big Head River – Source Protection	0.839
June 6, 2022	Beaver River – Source Protection	0.509
June 6, 2022	Indian Brook – Source Protection	0.543
July 4, 2022	Thornbury WTP – Raw	0.264
July 4, 2022	Thornbury WTP – Treated	0.265
August 2, 2022	Thornbury WTP – Raw	0.244
August 2, 2022	Thornbury WTP – Treated	0.248
September 6, 2022	Thornbury WTP – Raw	0.212
September 6, 2022	Thornbury WTP – Treated	0.221
September 6, 2022	Little Beaver River – Source Protection	0.183
September 6, 2022	Big Head River – Source Protection	0.228
September 6, 2022	Beaver River – Source Protection	0.409
September 6, 2022	Indian Brook	0.269
October 3, 2022	Thornbury WTP – Raw	0.222
October 3, 2022	Thornbury WTP – Treated	0.238

Sample Date	Location	Results (mg/L)
November 7, 2022	Thornbury WTP – Raw	0.241
November 7, 2022	Thornbury WTP – Treated	0.245
December 5, 2022	Thornbury WTP – Raw	0.250
December 5, 2022	Thornbury WTP – Treated	0.245
December 5, 2022	Little Beaver River – Source Protection	1.300
December 5, 2022	Big Head River – Source Protection	1.030
December 5, 2022	Beaver River – Source Protection	0.627
December 5, 2022	Indian Brook	1.880

Nitrite Results

Sample Date	Location	Results (mg/L)
January 4, 2022	Thornbury WTP – Raw	<0.003
January 4, 2022	Thornbury WTP – Treated	0.003
February 7, 2022	Thornbury WTP – Raw	0.003
February 7, 2022	Thornbury WTP – Treated	0.003
March 7, 2022	Thornbury WTP – Raw	0.004
March 7, 2022	Thornbury WTP – Treated	0.003
March 7, 2022	Little Beaver River – Source Protection	0.003
March 7, 2022	Beaver River – Source Protection	0.003
March 7, 2022	Indian Brook – Source Protection	0.003
April 4, 2022	Thornbury WTP – Raw	0.003
April 4, 2022	Thornbury WTP – Treated	0.003
May 2, 2022	Thornbury WTP – Raw	0.003

Sample Date	Location	Results (mg/L)
May 2, 2022	Thornbury WTP – Treated	0.003
June 6, 2022	Thornbury WTP – Raw	0.003
June 6, 2022	Thornbury WTP – Treated	0.003
June 6, 2022	Little Beaver River – Source Protection	0.023
June 6, 2022	Big Head River – Source Protection	0.005
June 6, 2022	Beaver River – Source Protection	0.005
June 6, 2022	Indian Brook – Source Protection	0.006
July 4, 2022	Thornbury WTP – Raw	0.003
July 4, 2022	Thornbury WTP – Treated	0.003
August 2, 2022	Thornbury WTP – Raw	0.003
August 2, 2022	Thornbury WTP – Treated	0.003
September 6, 2022	Thornbury WTP – Raw	0.003
September 6, 2022	Thornbury WTP – Treated	0.003
September 6, 2022	Little Beaver River – Source Protection	0.003
September 6, 2022	Big Head River – Source Protection	0.003
September 6, 2022	Beaver River – Source Protection	0.005
September 6, 2022	Indian Brook	0.003
October 3, 2022	Thornbury WTP – Raw	0.003
October 3, 2022	Thornbury WTP – Treated	0.003
November 7, 2022	Thornbury WTP – Raw	0.003
November 7, 2022	Thornbury WTP – Treated	0.003
December 5, 2022	Thornbury WTP – Raw	0.006
December 5, 2022	Thornbury WTP – Treated	0.003

Sample Date	Location	Results (mg/L)
December 5, 2022	Little Beaver River – Source Protection	0.008
December 5, 2022	Big Head River – Source Protection	0.009
December 5, 2022	Beaver River – Source Protection	0.004
December 5, 2022	Indian Brook	0.003

pH & Alkalinity Results

Date	Location	pH	Alkalinity (mg/L as CaCO₃)
January 4, 2022	10 th Line Water Booster Station	7.89	73
January 4, 2022	Camperdown Reservoir	7.95	77
January 4, 2022	Arrowhead Road Booster Station	8.01	73
January 4, 2022	Swiss Meadows Standpipe	8.00	80
July 4, 2022	Carmichael Crescent SS (035)	7.93	69
July 4, 2022	Aspen Way / Old Lakeshore SS (015)	8.05	69
July 4, 2022	Patricia Drive SS (020)	7.96	69
July 4, 2022	Louisa / Hester SS (007)	7.93	68
September 12, 2022	Hydrant # 502 by 20 Pyatt Avenue	7.90	70
September 12, 2022	Hydrant # 564 Elgin & Arthur Street East	7.90	67
September 12, 2022	Hydrant # 23 by 207 Bay Street East	7.90	67
September 12, 2022	Hydrant # 135 Arrowhead Court DE	8.40	68

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	Mar 14, 2022	0.6	ug/L	No
Arsenic	Mar 14, 2022	0.4	ug/L	No
Barium	Mar 14, 2022	13.4	ug/L	No
Boron	Mar 14, 2022	19.0	ug/L	No
Cadmium	Mar 14, 2022	0.003	ug/L	No
Chromium	Mar 14, 2022	0.23	ug/L	No
Mercury	Mar 14, 2022	0.04	ug/L	No
Sodium	Mar 15, 2021	4.70	mg/L	No
Selenium	Mar 14, 2022	0.11	ug/L	No
Uranium	Mar 14, 2022	0.168	ug/L	No
Fluoride	Mar 16, 2020	0.06	mg/L	No
Nitrite	Dec 5, 2022	0.003	mg/L	No
Nitrate	Dec 5, 2022	0.245	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
Plumbing	1	0.12	ug/L	0

Location Type	Number of Samples	Range of Lead Results (min#) – (max#)	Unit of Measure	Number of Exceedances
Distribution	4	0.02 to 0.13	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	Mar 14, 2022	0.02	ug/L		0.005 mg/L	No
Atrazine + N-dealkylated metabolites	Mar 14, 2022	0.01	ug/L		0.005 mg/L	No
Azinphos-methyl	Mar 14, 2022	0.05	ug/L			No
Benzene	Mar 14, 2022	0.32	ug/L	0.005 mg/L		No
Benzo(a)pyrene	Mar 14, 2022	0.004	ug/L	0.00001 mg/L		No
Bromoxynil	Mar 14, 2022	0.33	ug/L		0.005 mg/L	No
Carbaryl	Mar 14, 2022	0.05	ug/L	0.09 mg/L	0.005 mg/L	No
Carbofuran	Mar 14, 2022	0.01	ug/L	0.09 mg/L		No
Carbon Tetrachloride	Mar 14, 2022	0.17	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
Chlorpyrifos	Mar 14, 2022	0.02	ug/L	0.09 mg/L		No
Diazinon	Mar 14, 2022	0.02	ug/L	0.02 mg/L		No
Dicamba	Mar 14, 2022	0.20	ug/L	0.12 mg/L		No
1,2-Dichlorobenzene	Mar 14, 2022	0.41	ug/L	0.20 mg/L		No
1,4-Dichlorobenzene	Mar 14, 2022	0.36	ug/L	0.005 mg/L		No
1,2-Dichloroethane	Mar 14, 2022	0.35	ug/L	0.005 mg/L		No
1,1-Dichloroethylene (vinylidene chloride)	Mar 14, 2022	0.33	ug/L	0.014 mg/L		No
Dichloromethane	Mar 14, 2022	0.35	ug/L	0.05 mg/L		No
2-4 Dichlorophenol	Mar 14, 2022	0.15	ug/L	0.9 mg/L		No
2,4-Dichlorophenoxy acetic acid (2,4-D)	Mar 14, 2022	0.19	ug/L	0.1 mg/L		No
Diclofop-methyl	Mar 14, 2022	0.40	ug/L	0.009 mg/L		No
Dimethoate	Mar 14, 2022	0.06	ug/L	0.02 mg/L		No
Diquat	Mar 14, 2022	1.0	ug/L	0.07 mg/L		No

Parameter	Sample Date	Result Value	Unit of Measure	Maximum Acceptable Concentration (MAC)	Interim Maximum Acceptable Concentration (IMAC)	Exceedance
Diuron	Mar 14, 2022	0.03	ug/L	0.15 mg/L		No
Glyphosate	Mar 14, 2022	1.0	ug/L	0.28 mg/L		No
Malathion	Mar 14, 2022	0.02	ug/L	0.19 mg/L		No
2-Methyl-4-chlorophenoxyacetic acid (MCPA)	Mar 14, 2022	0.00012	mg/L	0.1 mg/L		No
Metolachlor	Mar 14, 2022	0.01	ug/L	0.05 mg/L		No
Metribuzin	Mar 14, 2022	0.02	ug/L	0.08 mg/L		No
Monochlorobenzene	Mar 14, 2022	0.3	ug/L	0.08 mg/L		No
Paraquat	Mar 14, 2022	1.0	ug/L	0.01 mg/L		No
Pentachlorophenol	Mar 14, 2022	0.15	ug/L	0.06 mg/L		No
Phorate	Mar 14, 2022	0.01	ug/L	0.002 mg/L		No
Picloram	Mar 14, 2022	1.0	ug/L	0.19 mg/L		No
Polychlorinated Biphenyls(PCBs) – Total	Mar 14, 2022	0.04	ug/L	0.003 mg/L		No
Prometryne	Mar 14, 2022	0.03	ug/L	0.001 mg/L		No

Parameter	Sample Date	Result Value	Unit of Measure	Maximum Acceptable Concentration (MAC)	Interim Maximum Acceptable Concentration (IMAC)	Exceedance
Simazine	Mar 14, 2022	0.01	ug/L	0.01 mg/L		No
THM (RAA # 6 Calculated Average)		19.56	ug/L	0.100 mg/L based on a four-quarter moving annual average		
Terbufos	Mar 14, 2022	0.01	ug/L		0.001 mg/L	No
Tetrachloroethylene (perchloroethylene)	Mar 14, 2022	0.35	ug/L	0.03 mg/L		No
2,3,4,6-Tetrachlorophenol	Mar 14, 2022	0.20	ug/L	0.1 mg/L		No
Triallate	Mar 14, 2022	0.01	ug/L	0.23 mg/L		No
Trichloroethylene	Mar 14, 2022	0.44	ug/L	0.005 mg/L		No
2,4,6-Trichlorophenol	Mar 14, 2022	0.25	ug/L	0.005 mg/L		No
Trifluralin	Mar 14, 2022	0.02	ug/L	0.045 mg/L		No
Vinyl Chloride	Mar 14, 2022	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
Trihalomethanes	54	ug/L	September 6, 2022
Trihalomethanes	58	ug/L	September 6, 2022

Summary of Additional Sample Results Arising from Water Quality Concern in Distribution System

Parameter	Sample Date	Result Value	Unit of Measure
Aluminum	Mar 28, 2022	1	ug/L
Arsenic	Mar 28, 2022	0.3	ug/L
Barium	Mar 28, 2022	13.3	ug/L
Beryllium	Mar 28, 2022	0.007	ug/L
Boron	Mar 28, 2022	17	ug/L
Bismuth	Mar 28, 2022	0.04	ug/L
Calcium	Mar 28, 2022	25.1	mg/L
Cadmium	Mar 28, 2022	0.024	ug/L
Cobalt	Mar 28, 2022	0.008	ug/L
Chromium	Mar 28, 2022	0.08	ug/L
Copper	Mar 28, 2022	24.2	ug/L
Iron	Mar 28, 2022	45	ug/L
Potassium	Mar 28, 2022	0.934	mg/L
Lithium	Mar 28, 2022	1.1	ug/L
Magnesium	Mar 28, 2022	6.78	mg/L

Parameter	Sample Date	Result Value	Unit of Measure
Manganese	Mar 28, 2022	2.01	ug/L
Molybdenum	Mar 28, 2022	0.28	ug/L
Sodium	Mar 28, 2022	4.50	mg/L
Nickel	Mar 28, 2022	0.5	ug/L
Lead	Mar 28, 2022	0.12	ug/L
Antimony	Mar 28, 2022	0.6	ug/L
Selenium	Mar 28, 2022	0.12	ug/L
Silicon	Mar 28, 2022	889	ug/L
Tin	Mar 28, 2022	0.06	ug/L
Strontium	Mar 28, 2022	87.6	ug/L
Titanium	Mar 28, 2022	0.18	ug/L
Thallium	Mar 28, 2022	0.005	ug/L
Uranium	Mar 28, 2022	0.190	ug/L
Vanadium	Mar 28, 2022	0.15	ug/L
Tungsten	Mar 28, 2022	0.02	ug/L
Yttrium	Mar 28, 2022	0.02	ug/L
Zinc	Mar 28, 2022	10	ug/L