

Bradford
west
Gwillimbury



Drinking Water System

2024
Report Highlights
Presented by



Town of BWG
Water Division



ABOUT BWG'S Drinking Water System

Bradford West Gwillimbury's drinking water supply is provided by two municipal wells (Church Well No.1 and Church Well No.2), as well as treated surface water supplied by InnServices from the Innisfil Lake Simcoe Water Filtration Plant (ILS WFP).

There are two Standpipes positioned within the footprint of the Town - each including a booster pumping station and re-chlorination system. In addition to the standpipes, there is one monitoring station located in Bond Head, one Water Tower equipped with a re-chlorination system and one grade level reservoir that receives treated surface water from the ILS WFP.

187km

Length of BWG's water distribution system.

3.7+ Million m³

Total water used in 2024.

6%

Total system flow from Church Well No. 1

24%

Total system flow from Church Well No. 2

70%

Total system flow from ILS WFP.

SYSTEM highlights



1,385 Hydrants operated and maintained.

1,533 Valves exercised.

\$1.9M+ Spent on replacements and upgrades in 2024.

187km Length of BWG's distribution system.

37,188 Population served.

65+ Organic and inorganic compounds routinely tested for.

3.7M+ Cubic metres of water used in 2024.



SYSTEM PROCESS



Ground water is pumped directly from an aquifer to Church Well No. 1 and 2.

Raw and treated-water is tested for the presence of microbiological contaminants and **65+** organic/inorganic compounds.



Church Well water is treated with liquid Chlorine before distributing to users.

Although the water from the ILS WTP is already treated, we re-chlorinate as necessary before distributing to users.

The treated water is once again tested. The DWS is equipped with a Supervisory Control and Data Acquisition (SCADA) system which allows operations staff the ability to monitor and control the drinking water system remotely and continuously.



Residents receive drinking water that is compliant with provincial standards. We are held to strict legislation and guidelines to ensure optimum water quality.

BWG's Drinking Water is regularly monitored for the presence of microbiological contaminants at both Church Well sites and throughout the entire distribution system. In addition to microbiological sampling, BWG's water is routinely tested for over 65 other organic and inorganic compounds.

MICROBIOLOGICAL TESTING Coliform (cfu/100mL) E.coli (cfu/100mL)		TOP 5 ORGANIC/INORGANIC COMPOUNDS TESTING				
		THM's	HAA's	Sodium	Fluoride	
877	0	Most Recent Results (mg/L)	0.068	0.043	44-63	0.28-0.31
Samples meeting requirements	Samples requiring corrective action	Limits (mg/L)	0.100	0.080	20	1.5

Our Drinking Water System has demonstrated compliance with the strict regulatory requirements set out by the Ministry of the Environment Conservation and Parks (MECP) for 2024.



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System Classification: Water Distribution & Supply III
Municipal Drinking Water Licence: 116-101
Drinking Water Works Permit: 116-201
Permit to Take Water: 0244-D2VPU6
DWQMS Certificate of Accreditation: C0121488-DWQ8

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Water Division Contact

3541 Line 11, Bradford
Monday-Friday, 8:30 am - 4:30 pm
Phone: 905 775 5369
Fax: 905 778 4343
Email: waterservices@townofbwg.com

After-hours Emergencies

Call South Simcoe Police at 905 775 3311 for
dispatch of Town operator.