



Drinking-Water System Number: 260022152
 Drinking-Water System Name: Breslau Distribution System
 Drinking-Water System Owner: Township of Woolwich
 Drinking-Water System Category: Large Municipal Residential
 Period being reported: January 1, 2023– December 31, 2023

For Large Municipal Residential Systems:

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

- Yes
- No

Is your annual report available to the public at no charge on a website on the internet?

- Yes
- No

Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection:

- Available by calling Infrastructure Services at 519-669-6043
- www.woolwich.ca

Are there any Designated Facilities serviced by your system, and is a copy of your annual report provided to all Facilities?

Yes, there are eight Designated Facilities, which receives a copy of this report.

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

Drinking Water System Name	Drinking Water System Number

2. 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 its drinking water?

- Yes
- No

3. Indicate how you notified system users that your annual report is available and is free of charge.

- Public access/notice via the web
- Public access/notice via Government Office
- Public access/notice via a newspaper
- Public access/notice via Public Request

4. Describe your Drinking-Water System

The Breslau distribution system is a stand-alone and is not treated by the Township of Woolwich, therefore, there is no chlorine boosting, ultraviolet (UV) irradiation, secondary disinfection, pressure boosting or pressure control within the control of the water distribution system. The Township of Woolwich does not own or operate the water storage facilities servicing this system.

The Township of Woolwich owns and operates the distribution system including the pipes, valves, and residential meters, this includes 1706 service connections in three subdivisions, has a population of approximately 3788, with 169 hydrants.



The Breslau Distribution System receives chloraminated water from the Kitchener Distribution System via the Kitchener Well Supply (Parkway Well System and the Mannheim Water Treatment Plant) which is part of the Region of Waterloo’s Urban Integrated System.

5. List all water treatment chemicals used over this reporting period.

Water treatment is the responsibility of the Region of Waterloo. The Region reports all the treatment chemicals used via their annual Water Quality Reports. The Township of Woolwich disinfects all parts, material and pipe during new installation and repair.

6. Were any significant expenses incurred?

- Install required equipment.
- Repair required equipment.
- Replace required equipment.

7. Please provide a brief description and a breakdown of monetary expenses incurred.

Broken main- Cooper Crescent Dec. 4, 2023 (yet to be invoiced) Approximately \$12,000 to 15, 000.

8. Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre.

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
2023-06-21	Total Coliform	Present	Present/Absent	Flushed and resampled at the adverse site, and upstream	2023-06-22
2023-07-06	Total Coliform and E. Coli	Present	Present/Absent	Flushed and resampled at the adverse site, and upstream	2023-07-07
2023-07-06	Total Coliform	Present	Present/Absent	Flushed and resampled at the adverse site, and upstream	2023-07-07
2023-07-27	Total Coliform	Present	Present/Absent	Flushed and resampled at the adverse site, and upstream	2023-07-28
2023-08-02	Total Coliform	Present	Present/Absent	Flushed and resampled at the adverse site, and upstream	2023-08-03
2023-08-02	Total Coliform	Present	Present/Absent	Flushed and resampled at the adverse site, and upstream	2023-08-03
2023-08-03	Total Coliform	Present	Present/Absent	Flushed and resampled at the adverse site, and upstream	2023-08-04
2023-08-29	Total Coliform	Present	Present/Absent	Flushed and resampled at the adverse site, and upstream	2023-08-30
2023-08-31	Total Coliform	Present	Present/Absent	Flushed and resampled at the adverse site, and upstream	2023-09-01
2023-09-27	Total Coliform	Present	Present/Absent	Flushed and resampled at the adverse site, and upstream	2023-09-28



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

Sample Source	Number of Samples	Range of E. Coli or Fecal Results (min) - (max)	Range of Total Coliform Results (min) - (max)	Number of HPC Samples	Range of HPC Results (min) - (max)
Distribution	305	A	A-P	96	0-70 (CFU/mL)

10. Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

	Number of Grab Samples	Range of Results (min) - (max)	Unit of Measure
Township Chlorine Combined	364	0.46 – 1.66	mg/L

11. Summary of additional testing and sampling conducted in accordance with the requirement of an approval, order, or other legal instrument.

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
N/A				

12. Summary of Inorganic parameters assessed during this reporting period or the most recent sample results.

Parameter	Number of Samples	Result Value Range (min-max)	Unit of Measure	Number of Exceedances
Alkalinity	4	239 - 280	mg/L	None
pH	4	7.00 – 7.54	pH	None

13. 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	Not Required		ug/L	None
Distribution	4	<0.200 – 0.940	ug/L	None

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

Parameter	Number of Samples	Result Value	Unit of Measure	Number of Exceedances
Haloacetic Acids (HAA) (NOTE: annual average)	4	<6.55	ug/L	None
THM (NOTE: annual average)	4	18.33	ug/L	None

15. List any 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
N/A			