



**Drinking-Water System Number:** 260002798  
**Drinking-Water System Name:** Woolwich North System  
**Drinking-Water System Owner:** Township of Woolwich  
**Drinking-Water System Category:** Large Municipal Residential  
**Period being reported:** January 1, 2020 – December 31, 2020

**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 519-669-6041
- [www.woolwich.ca](http://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 16 Designated Facilities and they are all provided a copy of the annual report.

**1. 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 |
|----------------------------|------------------------------|
| None                       | N/A                          |

**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 of 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 Township of Woolwich owns and operates the Woolwich North Distribution System, including pipes, valves and residential meters.

The Woolwich North distribution system services a population of approximately 15,106 people with about 4606 residential service connections, with approximately 557 hydrants.

The Township of Woolwich does not own or operate the water storage facilities servicing these systems. The Woolwich North distribution system receive water from the Waterloo Well Supply, which is part of the Urban Integrated System. The Urban Integrated System is owned and operated by the Regional Municipality of Waterloo.

The Township of Woolwich’s distribution system does not provide treatment to the water; therefore, there is no chlorine boosting, ultraviolet (UV) irradiation, secondary disinfection, and pressure boosting or pressure control within the control of the water distribution system.

The Conestogo Golf distribution system (260002512) and West Montrose(260002837) amalgamated with the Woolwich North distribution system (260002798) in November 2020.

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

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

6. Were any significant expenses incurred to?

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

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

Not applicable. No significant expense incurred.

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 |
|---------------|------------------------|--------|-----------------|---|------------------------|
| 01-Aug-20     | Total Coliform Present | P      | A - P           | Flushed and resample- Upstream, Downstream and source sampled | 02-Aug-20              |
| 22-Sep-20     | Total Coliform Present | P      | A – P           | Flushed and resample- Upstream, Downstream and source sampled | 25-Sep-20              |
| 23-Sep-20     | Total Coliform Present | P      | A – P           | Flushed and resample- Upstream, Downstream and source sampled | 25-Sep-20              |
| 24-Sep-20     | Total Coliform Present | P      | A – P           | Flushed and resample- Upstream,                               | 25-Sep-20              |



|  |  |  |  |                               |  |
|--|--|--|--|-------------------------------|--|
|  |  |  |  | Downstream and source sampled |  |
|--|--|--|--|-------------------------------|--|

**9. Microbiological testing done under the 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  | 429               | A  | A   | 158                   | 0 – 220 (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 | 862                    | 0.29 – 1.65                    | mg/L            |

**11. Summary of additional testing and sampling carried out 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 tested during this reporting period or the most recent sample results**

| Parameter  | Number of Samples | Result Value Range (min-max) | Unit of Measure | Exceedance |
|------------|-------------------|------------------------------|-----------------|------------|
| Alkalinity | 9                 | 220 - 272                    | mg/L            | 0          |
| pH         | 19                | 6.8 – 7.6                    | pH              | 0          |

**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            | 0                     |
| Distribution  | 29                | <0.200 – 4.24                       | ug/L            | 0                     |

**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) | 11                | <5.39909     | ug/L            | None                  |
| THM (NOTE: annual average)                    | 10                | 13.336       | 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 |
|-----------|--------------|-----------------|----------------|
|-----------|--------------|-----------------|----------------|



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