

2025 Water Services' Annual Report

January 1 to December 31, 2025

Guelph Drinking Water System

Corporation of the City of Guelph

Gazer Mooney Subdivision Distribution System

Township of Guelph/Eramosa



Water Services
Environmental Services Department

Last Revision:0

This document is a Province of Ontario form.
To request the information on this form in an accessible format, please contact (add the waterservices@guelph.ca or by calling 519-837-5627; TTY: 519-837-5688 or text 226-821-2132.as the information is our info, not belonging to the province.)

Guelph Distribution System Annual Report

Drinking Water System Number: 220000095
Drinking Water System Name: Guelph Drinking Water System
Drinking Water System Owner: The Corporation of the City of Guelph
Drinking Water System Category: Large Municipal Residential
Period being reported: January 1, 2025, through December 31, 2025

Complete if your Category is Large Municipal Residential or Small Municipal Residential

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

Yes.

Is your annual report available to the public at no charge on a web site on the Internet?

Yes.

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

An electronic copy of the Summary Report will be provided to MECP upon request.

Complete for all other Categories

Number of Designated Facilities served:

Not applicable.

Did you provide a copy of your annual report to all Designated Facilities you serve?

Not applicable.

Number of Interested Authorities you report to:

Not applicable.

Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?

Not applicable.

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

Drinking Water System Name: Gazer Mooney Subdivision Distribution System
(Guelph Eramosa Township).

Drinking Water System Number: 260057967

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 drinking water?

Yes.

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

Public access/notice via the web: Yes.
Public access/notice via Government Office: Yes.
Public access/notice via a newspaper: No.
Public access/notice via Public Request: Yes.
Public access/notice via a Public Library: No.
Public access/notice via other: No.

City of Guelph Drinking Water System Description:

All water provided to the Guelph Drinking Water System was treated via Water Services' 12 water treatment Facilities for: primary disinfection using chlorine solution (10 sites) or ultraviolet irradiation (2 sites); secondary disinfection using chlorine solution for a free chlorine residual (12 sites); sequestration using sodium silicate for dissolved iron (1 active site); and manganese removal using green-sand filtration (1 site).

The City of Guelph has 15 active pumping stations; three (3) elevated storage tanks; four (4) major underground storage reservoirs; approximately 564 Kilometres of underground watermains, and a population of approximately 154,800.

List all water treatment chemicals used over this reporting period:

Sodium Hypochlorite (chlorine solution for disinfection).
Sodium Silicate (for iron sequestration).

Were any significant expenses incurred to?

Install required equipment: Yes.
Repair required equipment: Yes.
Replace required equipment: Yes.
See section below for details.

Please provide a brief description and a breakdown of monetary expenses incurred:

Capital Projects: The following amounts relate to projects completed in 2025. These numbers do not include the normal operating and maintenance costs.

Project Name: Paisley Road Station Renewal

Description: Renewal of vertical and linear infrastructure at the Paisley Road Station to increase performance and optimization of the water taking.

Cost: \$7.6M

Project Name: Downey Road Station Renewal

Description: Renewal of vertical infrastructure at the Downey Road MCC and station to increase performance and optimization of the water taking.

Cost: \$300K

Project Name: Smallfield Well Flute Liner Renewal

Description: Renewal of the flute liner within the Smallfield Well to protect the drinking water supply.

Cost: \$120K

Project Name: TSSA Inspection and Generator Replacement

Description: Completion of required inspections and upgrades to various generators at water facilities.

Cost: \$655K

Project Name: Wyndham-Wellington Water and Wastewater Capacity Improvements

Description: 278m of watermain replaced

Cost: \$287K

Project Name: Grove St Reconstruction

Description: 276m of watermain replaced

Cost: \$122K

Project Name: College Ave Cycle Tracks

Description: 297m of watermain replaced

Cost: \$63K

Project Name: York Rd Phase 4

Description: 771m of watermain replaced and 492m of new watermain

Cost: \$810K

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:

In 2025, there were three Adverse Water Quality Incidents (AWQIs) reported, for a total of four parameters. Details are noted in the table below.

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
2025-07-02	E.Coli	Waterloo S-Stn - 3	CFU/100 mL	Re-sampling completed at incident location, upstream, and downstream, with results indicating non-detect levels. Disinfection increased at Woods, Water St, and Membro, flushed hydrant upstream and downstream. MECP, Wellington-Dufferin-Guelph Public Health notified as required under O.Reg 170/03.	2025-07-03
	Total Coliforms	Waterloo S-Stn - 3	CFU/100 mL		

2025-07-09	Total Coliforms	Beaumont S-Stn - 1	CFU/100 mL	Re-sampling completed at incident location, upstream, and downstream, with results indicating non-detect levels. MECP and Wellington-Dufferin-Guelph Public Health notified as required under O.Reg 170/03.	2025-07-10
2025-09-02	Total Coliforms	Starwood S-Stn - 17	CFU/100 mL	Re-sampling completed at incident location, upstream, and downstream, with results indicating non-detect levels. MECP and Wellington-Dufferin-Guelph Public Health (WDGPH) notified as required under O.Reg 170/03	2025-09-03

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

	Number of Samples	Range of E. Coli Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw	887	0-2	0-100	0	Not applicable.
Treated	554	0-0	0-0	554	0-22
Distribution	1613	0 - 3	0 - 17	768	0-59

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
Turbidity	915	0.021-0.60	NTU
Chlorine	791	0.41-1.67	mg/L
Fluoride (If the DWS provides fluoridation)	Not applicable.	Not applicable.	Not applicable.

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument:

In the City of Guelph’s Municipal Drinking Water License (MDWL), Table 6: Drinking Water Non-Health Related Parameters requires turbidity sampling downstream of the Glen Collector System by grab or continuous turbidity monitoring at a minimum recording frequency of daily. The City monitors turbidity continuously at this location.

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

NOTE: A result of zero indicates that the result obtained was below the method detection/reporting limit.

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2025	0 - 00079	mg/L	No
Arsenic	2025	0 - 0.0029	mg/L	No
Barium	2025	0.034 - 0.089	mg/L	No
Boron	2025	0.013 - 0.054	mg/L	No
Cadmium	2025	0 - 0.00011	mg/L	No
Chromium	2025	0 - 0	mg/L	No
Mercury	2025	0 - 0	mg/L	No
Lead	2025	0 - 0	mg/L	No
Selenium	2025	0 - 0	mg/L	No
Sodium	2025	26- 180	mg/L	Yes
Uranium	2025	0.00036 - 0.002	mg/L	No
Fluoride	2024	0 - 0.77	mg/L	No
Nitrite	2025	0 - 0.015	mg/L	No
Nitrate	2025	0 - 2.27	mg/L	No

Due to an AWQI resulting in a sodium level exceedance in 2024, the 2025 exceedance was not reportable as an AWQI.

Summary of lead testing under MDWL 017-101 – Lead Regulatory Relief during this reporting period.

The table below includes all samples/analysis required by the MDWL 017-101, Lead Reduction Plan.

Number of Locations	Location Type	Number of Samples	Range of Lead Results (min#) – (max #)	Unit of Measure	Number of Exceedances
19	Private Plumbing	20	<0.0005 - 0.0019	mg/L	0
10	Distribution	10	0 - 0	mg/L	0

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

Under O.Reg. 170/03; Schedule 13-4, treated groundwater sources are assessed on a 3-year sampling schedule and last sampled in 2025; treated GUDI sources are on an annual schedule and last sampled in 2025. Sampling/analysis occurred as required with value results covering both source characterizations, below.

NOTE: A result of zero indicates that the result obtained was below the method detection/reporting limit.

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	2025	0 - 0	mg/L	No
Atrazine + N-dealkylated metabolites	2025	0 - 0	mg/L	No
Azinphos-methyl	2025	0 - 0	mg/L	No
Benzene	2025	0 - 0	mg/L	No
Benzo(a)pyrene	2025	0 - 0	mg/L	No
Bromoxynil	2025	0 - 0	mg/L	No
Carbaryl	2025	0 - 0	mg/L	No
Carbofuran	2025	0 - 0	mg/L	No
Carbon Tetrachloride	2025	0 - 0	mg/L	No
Chlorobenzene	2025	0 - 0	mg/L	No
Chlorpyrifos	2025	0 - 0	mg/L	No
Diazinon	2025	0 - 0	mg/L	No
Dicamba	2025	0 - 0	mg/L	No
1,2-Dichlorobenzene	2025	0 - 0	mg/L	No
1,4-Dichlorobenzene	2025	0 - 0	mg/L	No
1,2-Dichloroethane	2025	0 - 0	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2025	0 - 0	mg/L	No
Dichloromethane	2025	0 - 0	mg/L	No
2-4 Dichlorophenol	2025	0 - 0	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2025	0 - 0	mg/L	No
Diclofop-methyl	2025	0 - 0	mg/L	No
Dimethoate	2025	0 - 0	mg/L	No
Diquat	2025	0 - 0	mg/L	No
Diuron	2025	0 - 0	mg/L	No
Glyphosate	2025	0 - 0	mg/L	No
HAAs (<i>Note: shows latest running annual average</i>)	2025	0.009	mg/L	No
Malathion	2025	0 - 0	mg/L	No
2-methyl-4-chlorophenoxyacetic acid / MCPA	2025	0 - 0	mg/L	No
Metolachlor	2025	0 - 0	mg/L	No
Metribuzin	2025	0 - 0	mg/L	No
Paraquat	2025	0 - 0	mg/L	No
Pentachlorophenol	2025	0 - 0	mg/L	No
Phorate	2025	0 - 0	mg/L	No
Picloram	2025	0 - 0	mg/L	No
Polychlorinated Biphenyls(PCB)	2025	0 - 0	mg/L	No
Prometryne	2025	0 - 0	mg/L	No
Simazine	2025	0 - 0	mg/L	No
Terbufos	2025	0 - 0	mg/L	No

Tetrachloroethylene (perchloroethylene)	2025	0 - 0	mg/L	No
2,3,4,6-Tetrachlorophenol	2025	0 - 0	mg/L	No
THMs (Note: shows latest running annual average)	2025	0.0290	mg/L	No
Triallate	2025	0 - 0	mg/L	No
Trichloroethylene	2025	0 - 0.00166	mg/L	No
2,4,6-Trichlorophenol	2025	0 - 0	mg/L	No
Trifluralin	2025	0 - 0	mg/L	No
Vinyl Chloride	2025	0 - 0	mg/L	No

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards

There were no instances of organic or inorganic parameter sample results exceeding half the standard from January 2025 through December 2025.

The Gazer Mooney Subdivision Distribution System ANNUAL REPORT

Drinking Water System Number: 260057967

Drinking Water System Name: Gazer Mooney Subdivision Distribution System

Drinking Water System Owner: The Corporation of the Township of
Guelph/Eramosa

Drinking Water System Category: Small Municipal Residential

Period being reported: January 1, 2025, through December 31, 2025

Complete if your Category is Large Municipal Residential or Small Municipal Residential

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

No.

Is your annual report available to the public at no charge on a web site on the Internet?

Yes.

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

An electronic copy of the Summary Report will be provided to MECP upon request.

Complete for all other Categories

Number of Designated Facilities served:

Not applicable.

Did you provide a copy of your annual report to all Designated Facilities you serve?

Not applicable.

Number of Interested Authorities you report to:

Not applicable.

Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?

Not applicable.

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

Drinking Water System Name: Not applicable.

Drinking Water System Number: Not applicable.

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 drinking water?

Yes.

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

Public access/notice via the web: Yes.

Public access/notice via Government Office: Yes.

Public access/notice via a newspaper: No.

Public access/notice via Public Request: Yes.

Public access/notice via a Public Library: No.

Public access/notice via other: No.

Gazer-Mooney Subdivision Drinking Water System

The Gazer Mooney Subdivision has approximately 72 fully metered water service connections; 2 kilometres of underground watermains, and an approximate population of 209 people.

All water provided to the Gazer Mooney Subdivision Distribution System is supplied by the Guelph Drinking Water System.

List all water treatment chemicals used over this reporting period:

Treated drinking water was supplied in its entirety from the Guelph Drinking Water System. Please refer to the Guelph Drinking Water System Annual Report for a list of water treatment chemicals used in the drinking water treatment process.

Were any significant expenses incurred to?

Install required equipment: No.

Repair required equipment: No.

Replace required equipment: No.

Please provide a brief description and a breakdown of monetary expenses incurred:

No significant capital expenses were incurred in 2025 to maintain the Gazer Mooney Subdivision Distribution System.

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:

In 2025, there were no Adverse Water Quality Incidents (AWQIs) reported in the Gazer Mooney Subdivision Distribution System.

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

	Number of Samples	Range of E. Coli Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw	Not applicable.	Not applicable.	Not applicable.	Not applicable.	Not applicable.
Treated	Not applicable.	Not applicable.	Not applicable.	Not applicable.	Not applicable.
Distribution	52	0 - 0	0 - 0	52	0 - 2 CFU/ml

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
Turbidity	Not applicable.	Not applicable.	Not applicable.
Chlorine	104	1.07-1.50	mg/L
Fluoride (If the DWS provides fluoridation)	Not applicable.	Not applicable.	Not applicable.

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
Not applicable.	Not applicable.	Not applicable.	Not applicable.	Not applicable.

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

Please refer to the Guelph Drinking Water System Annual Report for treated drinking water summary inorganic water quality results.

Summary of lead testing under “Approved Relief” during this reporting period:

NOTE: A result of zero indicates that the result obtained was below the method detection/reporting limit.

Location Type	Number of Samples	Range of Lead Results (min#) – (max #)	Unit of Measure	Number of Exceedances
Distribution	2	0 - 0	mg/L	0

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

NOTE: A result of zero indicates that the result obtained was below the method detection/reporting limit.

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
HAAAs - Haloacetic acids (Note: show latest running annual average)	Jan - Oct 2025	<0.005 0	mg/L	0
THMs - trihalomethanes (Note: show latest running annual average)	Jan - Oct 2025	0.0216	mg/L	0

The above table are sample results from the Gazer Mooney Subdivision Distribution System. For organic water quality results from the Guelph Drinking Water System, please refer to the Guelph Drinking Water System Annual Report; in 2025, there were no exceedances related to organic parameters in the Guelph Drinking Water System.

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards:

There were no instances of organic or inorganic parameter sample results exceeding half the standard from January 2025 through December 2025.