

Staff Report



To	Committee of the Whole
Service Area	Infrastructure, Development and Enterprise Services
Date	Monday, April 4, 2022
Subject	2021 Water Services' Annual Report and Summary Report

Recommendation

1. That Guelph City Council approves the 2021 Water Services' Annual Report and Summary Report.
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Executive Summary

Purpose of Report

The Water Services' Annual Report and Summary Report (the Report) is a compilation of information that demonstrates to the water system Owner (City Council) and all stakeholders, the ongoing delivery of an adequate and safe supply of drinking water to customers serviced by the City of Guelph Drinking Water System (Guelph DWS) and the Gazer Mooney Subdivision Distribution System (Gazer Mooney SDS, located in the Township of Guelph/Eramosa).

This Report satisfies the regulatory requirements of the Safe Drinking Water Act (SDWA) including the Drinking Water Quality Management Standard (DWQMS); and regulatory reporting required under O. Reg. 170/03 – Section 11 and Schedule 22.

Through the Report, the system owner, senior leaders, and customers are informed of the performance of Water Services for the period of January 1 to December 31, 2021.

Due to the regulatory requirements noted above, the Water Services Annual and Summary Report is presented as a separate report from the Corporate Annual Report.

Key Findings

In 2021, Water Services maintained its commitment of providing consumers in the City of Guelph and the Gazer Mooney subdivision in Guelph/Eramosa Township with a safe, consistent supply of high-quality drinking water while meeting or exceeding, and continually improving on legal, operational, and quality management system requirements.

Financial Implications

All financial implications of the Report were included as part the Council approved 2021 Water Services Operating and Capital Budgets.

Report

In satisfying the requirements of Safe Drinking Water Act (2002), Water Services is pleased to present the 2021 Water Services' Annual Report and Summary Report for review and approval by the system Owner (City Council). Significant highlights of the Report are described below. For Council and public reference, the complete Reports are available for review at [Guelph.ca/water-testing](https://guelph.ca/water-testing).

Water Services works closely with the Ministry of the Environment, Conservation and Parks (MECP) and Wellington Dufferin Guelph Public Health (WDGPH) to maintain and continuously improve the drinking water system and ensure safe drinking water.

Significant highlights of the report are as follows:

- Water Services treated and pumped approximately 16.8 billion litres of water to the system in 2020, 1.5 per cent more water than in 2020.
- Water Services complied with all Provincial regulations. Three instances of low chlorine residual in the distribution system were found through the City's Dead-End Flushing Program and were swiftly dealt with to the satisfaction of WDGPH. More information can be found in Table 1 of the Summary Report.
- Water Services experienced four events that are considered "adverse water quality incidents" (AWQIs), three of which were the low chlorine residual instances described above. The other AWQI was a Total Coliform result, which was not confirmed through re-sampling. All events were resolved to the satisfaction of the MECP and WDGPH. More information on page 4 of the Annual Report.
- The 2020-2021 Ministry of the Environment, Conservation and Parks (MECP) inspection is still being completed at the time of report publication. Final inspection results will be updated in the report when they are obtained from the MECP and will be available online.
- Water Services maintained Accreditation to the Drinking Water Quality Management Standard through a third-party audit completed in October 2021. Many strengths were identified by the Auditor, demonstrating a strong commitment to the Quality Management System. One minor non-conformance was identified through the audit, which has been resolved by Water Services and accepted by the Auditor. More information can be found in Regulatory Compliance section of the Summary Report.
- All mandatory regulatory microbiological and chemical quality samples were taken by certified operators and all drinking water samples collected throughout the drinking water system were tested by accredited, licensed laboratories.
- Water Services had no health-related exceedances of provincial water quality parameters. See Annual Report for more information on sample results.
- Water Services completes an annual risk assessment and uses the results for infrastructure planning and upgrades, as well as for emergency planning. Water Services ensures that a state of emergency preparedness is always maintained.

Financial Implications

All financial implications of the Report were included as part the Council approved 2021 Water Services Operating and Capital Budgets.

Consultations

Departmental consultation completed in support of the 2021 Water Services Annual Report and Summary Report, include:

- Engineering and Transportation Services;
- Planning and Building Services;
- Legal, Realty and Court Services; and
- Financial Services.

Strategic Plan Alignment

These Reports are aligned with the Strategic Plan Priorities of Sustaining our Future by providing water in a sustainable way, Building our Future by maintaining and replacing water assets and Working Together for our Future through our collaborative approach to the delivery of water services.

Attachments

Attachment-1 [2021 DWS Annual Report-O. Reg 170 Guelph and Gazer Mooney](#)

Attachment-2 [2021 Water Services' Summary Report](#)

Departmental Approval

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