

Council Report

Report Number:	WWW2023-001
Meeting Date:	March 21, 2023
Title:	2022 Annual Waterworks Summary Report
Description:	Summary of Mandatory Schedule 22 and Section 11 Drinking Water Reports for Municipal Residential Drinking Water Systems Owned by the City of Kawartha Lakes
Author and Title:	Julie Henry, Quality Management and Policy Coordinator

Recommendation(s):

That Report WWW2023-001, 2022 Annual Waterworks Summary Report, be received in accordance with reporting requirements of Ontario Regulation 170/03 Schedule 22 and Section 11 under the *Safe Drinking Water Act, 2002*, for the following municipal residential drinking water systems (DWS) owned by the City of Kawartha Lakes:

- Birch Point Estates Drinking Water System
- Bobcaygeon Drinking Water System
- Canadiana Shores Drinking Water System
- Fenelon Falls Drinking Water System
- Janetville Drinking Water System
- King's Bay Drinking Water System
- Kinmount Drinking Water System
- Lindsay Drinking Water System
- Manilla (Woods of Manilla) Drinking Water System
- Manorview Drinking Water System
- Mariposa Estates Drinking Water System
- Norland Drinking Water System
- Omemee Drinking Water System
- Pinewood Drinking Water System
- Pleasant Point Drinking Water System
- Sonya Drinking Water System
- Southview Estates Drinking Water System

Department Head: _____

Financial/Legal/HR/Other: _____

Chief Administrative Officer: _____

- Victoria Place Drinking Water System
- Western Trent/Palmina Drinking Water System
- Woodfield Drinking Water System
- Woodville Drinking Water System

Background:

At the Council Meeting of March 22, 2022, Council adopted the following resolution:

CR2022-094

That Report WWW2022-002, **2021 Annual Waterworks Summary Report**, be received in accordance with reporting requirements of Ontario Regulation 170/03 Schedule 22 and Section 11 under the *Safe Drinking Water Act, 2002*, for the following municipal, residential drinking water systems (DWS) owned by the City of Kawartha Lakes:

- Birch Point Estates Drinking Water System
- Bobcaygeon Drinking Water System
- Canadiana Shores Drinking Water System
- Fenelon Falls Drinking Water System
- Janetville Drinking Water System
- King's Bay Drinking Water System
- Kinmount Drinking Water System
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- Manilla (Woods of Manilla) Drinking Water System
- Manorview Drinking Water System
- Mariposa Drinking Water System
- Norland Drinking Water System
- Omemee Drinking Water System
- Pinewood Drinking Water System
- Pleasant Point Drinking Water System
- Sonya Drinking Water System
- Southview Estates Drinking Water System
- Victoria Place Drinking Water System
- Western Trent/Palmina Drinking Water System

- Woodfield Drinking Water System
- Woodville Drinking Water System

Carried

This report addresses the requirement (under the *Safe Drinking Water Act, 2002* (SDWA), Section 11 and Schedule 22 of Ontario Regulation 170/03 for the 2022 reporting year), for the Owner of Municipal Residential Drinking Water Systems to prepare an annual report that includes information regarding the various aspects of operations in the drinking water systems.

Section 11 Reporting

Section 11 of the regulation requires the annual report to contain a brief description of the drinking water system, including a list of water treatment chemicals used by the system during the reporting period. Section 11 also requires the inclusion of a summary of all reports made to the Ministry of Environment, Conservation and Parks (MECP) under section 16-4 of Schedule 16 of the regulation, for other observation(s) (exclusive of adverse sampling results which reported immediately), that could indicate improper disinfection.

A description of all corrective actions (if required), a summary of all test results required by the regulation for the reporting period, as well as test results from previous periods of testing (if testing was not within the current reporting period), are also included.

As per MECP requirements, Section 11 reports are available to the public free of charge. For systems serving more than 10,000 residents, Section 11 mandates the reports to be published on the City of Kawartha Lakes website by February 28th of the year following the reporting period. Of the twenty-one drinking water systems owned by the City of Kawartha Lakes, only the Lindsay Drinking Water System is large enough to fall under this timing stipulation however, as a best practice initiative, the Water and Wastewater Division ensures that all drinking water system reports are available to residents on the City website. Reports are also available upon request.

Schedule 22 Reporting

Schedule 22 reports must be available to the Owner no later than March 31st of the year following the reporting period. The report must list the requirements of the *Safe Drinking Water Act, 2002*, the regulations, the system's approval and any Order that the

system failed to meet at any time during the reporting period including the duration of the incident and a description of the measures taken to correct the issue.

The Schedule 22 report includes information required for the Owner to assess the capability of the drinking water systems to meet existing and planned demands. This type of information includes a summary of quantities, flow rates of water supplied (including monthly averages), maximum daily flows and daily instantaneous peak flow rates. This information is then compared to the rated capacity and flow rates defined in the system's approval.

Rationale:

The Ministry of Environment, Conservation and Parks (MECP), conducts unannounced and announced inspections at the twenty-one (21) municipally owned drinking water systems annually. The current reportable inspection cycle is from April 1, 2022 to March 31, 2023. All results received to date are in the Summary Table (Table 1) of this report. Any inspection results received after this report will be provided to Council in the 2023 Annual Waterworks Summary Report. Results received after the report date last year are included in Table 1 of this report.

The Water and Wastewater Division of the City of Kawartha Lakes operates the Lindsay Drinking Water System, the Manilla (Woods of Manilla) Drinking Water System, the Sonya Drinking Water System and all twenty-one distribution systems owned by the City of Kawartha Lakes. The remaining eighteen (18), Water Treatment Facilities owned by the City are operated under contract by the Ontario Clean Water Agency (OCWA).

The MECP's Municipal Residential Drinking Water Inspection Protocol contains fifteen (15) inspection modules consisting of approximately one hundred (100) regulatory questions. These questions address a wide range of subjects, from administrative procedures to drinking water quality monitoring, record keeping and other matters conducive to the production and delivery of safe drinking water. The inspection protocol also contains a number of non-regulatory questions. Each question is assigned a risk rating, which is based on the risk of not complying with the regulation to the delivery of safe drinking water. Based on the number of areas where a system is deemed non-compliant during the inspection, and the significance of these areas to administrative, environmental, and health consequences, a risk based inspection rating (IRR) is calculated for each drinking water system following the inspection. Every three years, the Ministry reviews their risk-rating methodology for inspections.

When assessing compliance, there are several key areas addressed by the Ministry. These include:

- Source, Permit to Take Water
- Capacity Assessment
- Treatment Processes, Treatment Process Monitoring, Process Wastewater
- Distribution System
- Operations Manuals, Logbooks, Certification and Training
- Contingency and Emergency Planning
- Consumer Relations
- Water Quality Monitoring, Reporting and Corrective Actions

The summary table below (Table 1.), provides a year over year comparison of facility Inspection Rating Records (IRR), given following annual MECP inspections. At the time of this report, those facilities listed as “In Progress” are either waiting for their inspection or for their final IRR rating which is delivered four to six weeks after the final inspection report is issued. The results of the inspections for these facilities will be included in the 2023 Annual Waterworks Summary report (IRR’s not received at the time of last year’s report are included in this report), or once received, can be provided upon request.

It is important to note that an IRR of less than 100% is not necessarily an indication that drinking water was unsafe during the reporting period. Percentage can be lost from a range of criteria such as documentation or reporting.

Table 1. Ministry Inspection Summary

21 Drinking Water Systems	Inspection Rating Record (2021-2022)	Inspection Rating Record (2022-2023)	Status as of February 2022
Birch Point Estates	100%	In Progress	Awaiting Inspection Report
Bobcaygeon	100%	100%	Complete
Canadiana Shores	100%	In Progress	Awaiting IRR
Fenelon Falls	100%	In Progress	Awaiting IRR
Janetville	100%	100%	Complete
King’s Bay	100%	In Progress	Awaiting IRR
Kinmount	97.78%	100%	Complete
Lindsay	100%	100%	Complete
Manilla	100%	100%	Complete
Manorview	100%	100%	Complete

21 Drinking Water Systems	Inspection Rating Record (2021-2022)	Inspection Rating Record (2022-2023)	Status as of February 2022
Mariposa Estates	100%	In Progress	Awaiting IRR
Norland	98.04%*	In Progress	Awaiting IRR
Omeme	100%	In Progress	Awaiting Inspection Report
Pinewood	100%	100%	Complete
Pleasant Point	100%	In Progress	Awaiting Inspection Report
Sonya **	100%	In Progress	Awaiting IRR
Southview Estates	100%	100%	Complete
Victoria Place	96.94%	100%	Complete
Western Trent/Palmina	97.54%	100%	Complete
Woodfield	100%	100%	Complete
Woodville	100%	100%	Complete

*Inspection rating for 2021-2022 inspection period was not available in 2021 Annual Waterworks Summary Report presented to Council March 22, 2022.

** The Inspection Report for the Sonya DWS is currently under revision by the MECP. The annual report will be revised once we receive the new inspection report. The report will be posted on the website and the changes communicated to Council in next year's Annual Waterworks Summary Report.

Other Alternatives Considered:

Not applicable as this is an information report required by legislation.

Alignment to Strategic Priorities

The 2022 Annual Waterworks Summary Report shows a commitment from the Water and Wastewater Division to the Strategic Priority of "Healthy Environment" and "An Exceptional Quality of Life" by continuing to ensure municipal drinking water sources are protected, and municipal drinking water continues to meet provincial standards.

Financial/Operation Impacts:

There are no financial implications associated with this report.

Consultations:

Director of Public Works
Manager, Water and Wastewater

Attachments:

Appendix A – Annual Report – Birch Point DWS



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Report Birch Point D

Appendix B – Annual Drinking Water Report – Bobcaygeon DWS



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Report Bobcaygeon

Appendix C – Annual Drinking Water Report – Canadiana Shores DWS



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Report Canadiana S

Appendix D –Annual Drinking Water Report - Fenelon Falls DWS



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Report Fenelon Fall:

Appendix E – Annual Drinking Water Report - Janetville DWS



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Report Janetville DW

Appendix F – Annual Drinking Water Report – King's Bay DWS



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Report King's Bay D\

Appendix G – Annual Drinking Water Report – Kinmount DWS



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Report Kinmount D\

Appendix H – Annual Drinking Water Report – Lindsay DWS



Final Annual
Report Lindsay DWS

Appendix I – Annual Drinking Water Report – Manilla (Woods of Manilla) DWS



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Report Manilla DWS

Appendix J – Annual Drinking Water Report - Manorview DWS



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Appendix K – Annual Drinking Water Report – Mariposa Estates DWS



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Report Mariposa Est

Appendix L – Annual Drinking Water Report – Norland DWS



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Report Norland DW

Appendix M – Annual Drinking Water Report – Omemee DWS



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Report Omemee DW

Appendix N – Annual Drinking Water Report – Pinewood DWS



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Report Pinewood D'

Appendix O – Annual Drinking Water Report - Pleasant Point DWS



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Report Pleasant Poir

Appendix P – Annual Drinking Water Report – Southview Estates DWS



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Report Southview E:

Appendix Q – Annual Drinking Water Report – Sonya DWS



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Report Sonya DWS :

Appendix R – Annual Drinking Water Report – Victoria Place DWS



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Report Victoria Place

Appendix S – Annual Drinking Water Report – Western Trent DWS



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Report Western Trer

Appendix T – Annual Drinking Water Report – Woodfield DWS



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Report Woodfield D

Appendix U – Annual Drinking Water Report – Woodville DWS



Final Annual
Report Woodville D'

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Department Head: Bryan Robinson