



Council Report

Report Number: **WWW2024-002**
Meeting Date: March 19, 2024
Title: **2023 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 2024-002, 2023 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 21, 2023 Council adopted the following resolution:

CR2023-182

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
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- 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 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(s), including a list of water treatment chemicals used by the system(s) 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 are 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 to be available to the public free of charge. For systems serving more than 10,000 residents, Section 11 mandates the reports must 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's 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) approvals 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 system(s) to meet the 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) approvals.

The reporting for Section 11 and Schedule 22 have been merged into one annual drinking water report for each of the twenty-one (21) drinking water systems. These reports are attached to this report in Attachments.

Rationale:

The Ministry of the 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, 2023 to March 31, 2024. 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 2024 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 treatment and distribution systems for the Lindsay Drinking Water System, the Manilla (Woods of Manilla) Drinking Water System and the Sonya Drinking Water System, as well as the distribution systems for the remaining eighteen (18) drinking water systems owned by the City of Kawartha Lakes. The water treatment facilities for the eighteen (18) drinking water systems that are not operated by City staff are operated under contract by the Ontario Clean Water Agency (OCWA).

The MECP's Municipal Residential Drinking Water Inspection Protocol contains up to fourteen (14) inspection modules consisting of approximately one hundred (120) regulatory questions.

The fourteen modules are:

- Source
- Permit to Take Water
- Capacity assessment
- Process wastewater
- Distribution System
- Operations manuals
- Logbooks
- Contingency and Emergency Planning
- Consumer relations
- Certification and training
- Water quality monitoring
- Reporting notification and

- Corrective actions
- Other inspection findings

Questions asked by an inspector during an inspection vary by: system (i.e., distribution, treatment only), type of inspection (i.e., focused, detailed) and source type (i.e., groundwater, surface water). These questions address a wide range of regulatory issues, from administrative procedures to drinking water quality monitoring. The inspection protocol also contains a number of non-regulatory questions. Each regulatory question is assigned a risk rating, based on an evaluation of consequence and likelihood. Based on the number of areas where a system is deemed to be non-compliant during the inspection, and the significance of these areas to administrative, environmental, and health consequences, a risk-based inspection rating is calculated by the Ministry. A final overall IRR (Inspection Rating Record) is assigned to each drinking water system (as a percentage) for the reporting year which reflects the inspection results. The individual ratings are published with the Ministry's Chief Drinking Water Inspector's Annual Report and every three years, the Ministry reviews their risk-rating methodology for inspections.

It is important to be aware that an inspection rating that is less than 100 per cent does not mean that the drinking water from the system is unsafe. Percentage can be lost from a range of criteria such as documentation or reporting or to simply illustrate areas in which a system's operation can improve.

The Ministry's annual inspection program is an important aspect of our drinking water safety net. The Ministry and its partners share a common commitment to excellence and we continue to work toward the goal of 100 per cent regulatory compliance.

The summary table below (Table 1.), provides a year over year comparison of facility Inspection Rating Records (IRR), given following the annual MECP inspections. At the time of this report, those facilities listed as "in progress" are either awaiting 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 2024 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.

Table 1. Ministry Inspection Summary – CKL DWS (Drinking Water Systems)

21 Drinking Water Systems	Inspection Rating Record (2022-2023)	Inspection Rating Record (2023-2024)	Status as of February 2024
Birch Point Estates	100%	In Progress	Awaiting Report
Bobcaygeon	100%	In Progress	Awaiting Report
Canadiana Shores	100%	100%	Complete
Fenelon Falls	100%	In Progress	Awaiting Report
Janetville	100%	100%	Complete
King's Bay	100%	96.94%	Complete
Kinmount	100%	100%	Complete
Lindsay	100%	100%	Complete
Manilla (Woods of)	100%	100%	Complete
Manorview	100%	100%	Complete
Mariposa Estates	100%	100%	Complete
Norland	100%	100%	Complete
Omeme	100%	In Progress	Awaiting Report
Pinewood	100%	99.38%	Complete
Pleasant Point	100%	100%	Complete
Sonya	96.61%	100%	Complete
Southview Estates	100%	100%	Complete
Victoria Place	100%	In Progress	Awaiting Report
Western Trent/Palmina	100%	100%	Complete
Woodfield	100%	100%	Complete
Woodville	100%	In Progress	Awaiting Report

Note: The 2022 Annual Waterworks Summary Report to Council, noted that the Ministry Inspection Report for the Sonya DWS was under review by the Ministry. Subsequently, the 2022-2023 Ministry Inspection Report for Sonya DWS was revised and reissued by the Ministry Inspector on March 8, 2023. The revised report removed one incident of non-compliance, which had originally been included and reported on in the 2022 annual drinking water report. The 2022 annual report has been revised to reflect the amended inspection report, and is attached to this report.

Other Alternatives Considered:

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

Alignment to Strategic Priorities

The 2023 Annual Waterworks Summary Report shows a commitment from the Water and Wastewater Division to the Strategic Priorities 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 Drinking Water Report – Birch Point DWS



Final Annual
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



Final Annual
Report Fenelon Fall:

Appendix E – Annual Drinking Water Report – Janetville DWS



Final Annual
Report Janetville DW

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



Final Annual
Report Kings Bay DV

Appendix G – Annual Drinking Water Report – Kinmount DWS



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Report Kinmount DV

Appendix H – Annual Drinking Water Report – Lindsay DWS



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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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Report Manorview C

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 DWS

Appendix O – Annual Drinking Water Report – Pleasant Point DWS



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Report Pleasant Point

Appendix P – Annual Drinking Water Report – Southview Estates DWS



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Report Southview Estates

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/Palmina DWS



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Report Western Trent

Appendix T- Annual Drinking Water Report – Woodfield DWS



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Report Woodfield D

Appendix U – Annual Drinking Water Report – Woodville DWS



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Report Woodville D

Appendix V – Revised 2022 Annual Drinking Water Report – Sonya DWS



Final Annual
Report Sonya DWS :

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Department Head: Bryan Robinson