



Council Report

Report Number: **WWW2022-002**

Meeting Date: March 22, 2022

Title: **2021 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 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
- Lindsay Drinking Water System
- 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

Department Head: _____

Financial/Legal/HR/Other: _____

Chief Administrative Officer: _____

- 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

Background:

At the Council Meeting of March 9, 2021, Council adopted the following resolution:

CW2021-063

Moved By Deputy Mayor O'Reilly

Seconded By Councillor Richardson

That Report WWW2021-001, **2020 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 Drinking Water System (Woods of Manilla)
- 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
- Victoria Place Drinking Water System
- Western Trent / Palmina Drinking Water System
- Woodfield Drinking Water System
- Woodville Drinking Water System; and

That this recommendation be brought forward to Council for consideration at the next Regular Council Meeting.

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 2021 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 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.

Operating Authorities are required by the MECP to make Section 11 reports available to the public free of charge. For systems serving more than 10,000 residents, Section 11 mandates that the report 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, all drinking water system reports are made available to residents on the City website. Reports are also available upon request through the Water and Wastewater Division of Public Works.

Schedule 22 Reporting

Schedule 22 reports must be made 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 than the system failed to meet at any time during the reporting period. The report must also specify the duration of the failure and describe the measures that were taken to correct the failure.

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 must be 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, 2021 to March 31, 2022. All received results are in the Summary Table (Table 1) of this report. Any inspection results received after this report goes to Council will be included in the 2022 Annual Waterworks Summary Report (as those 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 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 up to fourteen (14) inspection modules and consists of up to one-hundred and twenty (120) regulatory questions. These questions address a wide range of regulatory issues, from administrative procedures to drinking water quality monitoring, record-keeping and other matters. 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:

- Capacity Assessment
- Treatment Processes
- Operations Manuals, Logbooks, Certification and Training
- Water Quality Monitoring, Reporting and Corrective Actions
- Treatment Process Monitoring

The summary table below (Table 1.), provides a year over year comparison of facility Inspection Rating Records (IRR) given following recent annual MECP inspections. At the time of this report, those facilities listed as "In Progress" are either waiting for their inspection (dates have been later due to the restrictions of the COVID-19 pandemic), or for the final "rating" to be presented (this rating used to be sent with inspection reports

but the MECP recently changed its method and final ratings are now sent four to six weeks after the inspection report.) The results of the inspections for these facilities will be included in the 2022 Annual Waterworks Summary Report, or once received, can be provided upon request.

It is important to note that all systems owned by the City of Kawartha Lakes provided safe drinking water to the public throughout the year; numerous systems have received MECP inspection ratings of 100%. This clearly illustrates the dedication and hard work of City and OCWA staff and their commitment to providing safe and reliable drinking water to the residents, businesses and visitors of Kawartha Lakes.

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 items such as documentation or reporting.

Table 1. Ministry Inspection Summary

21 Drinking Water Systems	Inspection Rating Record (2020-2021)	Inspection Rating Record (2021-2022)	Status as of February 2022
Birch Point Estates	100%	100%	Complete
Bobcaygeon	100%	100%	Complete
Canadiana Shores	97.17%	100%	Complete
Fenelon Falls	95.82%	100%	Complete
Janetville	100%	100%	Complete
King's Bay	100%	100%	Complete
Kinmount	100%	97.78%	Complete
Lindsay	100%	100%	Complete
Manilla (Woods of Manilla)	93.93%	100%	Complete
Manorview	100%	100%	Complete
Mariposa Estates	100%	100%	Complete
Norland	100%	In progress	In progress
Omemee	100%	100%	Complete
Pinewood	100%	100%	Complete
Pleasant Point	100%	100%	Complete
Sonya	100%	100%	Complete
Southview Estates	100%	100%	Complete
Victoria Place	100%	96.94%	Complete
Western Trent/Palmina	100%	97.54%	Complete
Woodfield	100%	100%	Complete
Woodville	100%	100%	Complete

Other Alternatives Considered:

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

Alignment to Strategic Priorities

The 2021 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 for Birch Point DWS



Appendix A Annual
Report Birch Point E

Appendix B – Annual Report for Bobcaygeon DWS



Appendix B Annual
Report Bobcaygeon

Appendix C – Annual Report for Canadiana Shores DWS



Appendix C Annual
Report Canadiana S

Appendix D – Annual Report for Fenelon Falls DWS



Appendix D Annual
Report Fenelon Fall:

Appendix E – Annual Report for Janetville DWS



Appendix E Annual
Report Janetville DW

Appendix F – Annual Report for King's Bay DWS



Appendix F Annual
Report King's Bay D'

Appendix G – Annual Report for Kinmount DWS



Appendix G Annual
Report Kinmount D\

Appendix H – Annual Report for Lindsay DWS



Appendix H Annual
Report Lindsay DWS

Appendix I – Annual Report for Manilla DWS



Appendix I Annual
Report Manilla DWS

Appendix J – Annual Report for Manorview DWS



Appendix J Annual
Report Manorview E

Appendix K – Annual Report for Mariposa Estates DWS



Appendix K Annual
Report Mariposa Est

Appendix L – Annual Report for Norland DWS



Appendix L Annual
Report Norland DW

Appendix M – Annual Report for Omemee DWS



Appendix M Annual
Report Omemee DW

Appendix N – Annual Report for Pinewood DWS



Appendix N Annual
Report Pinewood D'

Appendix O – Annual Report for Pleasant Point DWS



Appendix O
-Annual Report Plea

Appendix P – Annual Report for Sonya DWS



Appendix P Annual
Report Sonya DWS :

Appendix Q – Annual Report for Southview Estates DWS



Appendix Q Annual
Report Southview D

Appendix R – Annual Report for Victoria Place DWS



Appendix R Annual
Report Victoria Place

Appendix S – Annual Report for Western Trent/Palmina DWS



Appendix S Annual
Report Western Tre

Appendix T – Annual Report for Woodfield DWS



Appendix T Annual
Report Woodfield D

Appendix U – Annual Report for Woodville DWS



Appendix U Annual
Report Woodville D'

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Department Head: Bryan Robinson