



Committee of the Whole Report

Report Number: **WWW2021-001**
Meeting Date: March 9, 2021
Title: **2020 Annual Waterworks Summary Report**
Description: Summary of Mandatory Schedule 22 and Section 11
Drinking Water Reports for Municipal Residential Drinking
Water Systems in the City of Kawartha Lakes
Author and Title: Julie Henry, Quality Management and Policy Coordinator

Recommendation(s):

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

Department Head: _____

Financial/Legal/HR/Other: _____

Chief Administrative Officer: _____

- Woodfield Drinking Water System
- Woodville Drinking Water System; and

That this recommendation be brought forward to Council for consideration at the March 23, 2021 Council meeting.

Background:

At the Council Meeting of March 19, 2020 Council adopted the following resolution:

10.1.7 WWW2020-001

2019 Annual Waterworks Summary Report

Julie Henry, Quality Management and Policy Coordinator

CR2020-083

That Report WWW2020-001, **2019 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 DWS
- Bobcaygeon DWS
- Canadiana Shores DWS
- Fenelon Falls DWS
- Janetville DWS
- King's Bay DWS
- Kinmount DWS
- Lindsay DWS
- Manilla DWS (Woods of Manilla)
- Manorview DWS
- Mariposa Estates DWS
- Norland DWS
- Omemee DWS (Victoria Glen)
- Pinewood DWS
- Pleasant Point DWS Sonya DWS

- Sonya DWS
- Southview DWS
- Victoria Place DWS
- Western Trent DWS
- Woodfield DWS
- Woodville DWS.

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 2020 reporting year, which requires an owner of Municipal Residential Drinking Water System(s) to prepare an annual report that includes information regarding the various aspects of operations in the drinking water system(s) throughout the preceding calendar year.

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 report to contain 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 any other observation(s) (other than adverse results which are reported immediately), that could possibly indicate improper disinfection.

A description of all corrective actions taken during the reporting period, a summary of all test results required by the regulation covering 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 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 falls 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*, the regulations, the system's approval and any Order that 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 that can be used for the purpose of enabling 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 inspection at the twenty-one (21) municipally owned drinking water systems annually. The current reportable inspection cycle is from April 01, 2020 to March 31, 2021. Any Ministry Inspection Report results will be brought forward in the 2022 Annual Waterworks Summary Report in the Summary Table (as those received after the report date last year are addressed in Table 1 in this report.) Twenty (20) of the Water Treatment facilities are operated by Ontario Clean Water Agency (OCWA) while the Water and Wastewater Division operates the Lindsay Drinking Water System (treatment and distribution) and the other twenty (20) distribution systems owned by the City of Kawartha Lakes. On March 1, 2021, the Water and Wastewater Division will be assuming the role of Operating Authority for the treatment facilities of the Manilla (Woods of Manilla) Drinking Water System and the Sonya Subdivision Drinking Water System.

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 related 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 are:

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

A compliance Inspection Rating (CIR) 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.

The summary table below (Table 1.), provides a year over year comparison of facility compliance inspection ratings 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 have recently gone through their inspection and are awaiting their reports from the MECP. The results of the inspections for these facilities will be made available when inspection reports are complete.

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 scores 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.

Table 1. Ministry Inspection Summary

21 Drinking Water Systems	Compliance Rating (2019-2020)	Compliance Rating (2020-2021)	Status as of February 2021
Birch Point Estates	100%	In progress	In progress

21 Drinking Water Systems	Compliance Rating (2019-2020)	Compliance Rating (2020-2021)	Status as of February 2021
Bobcaygeon	100%	100%	Complete
Canadiana Shores	100%	97.17%	Complete
Fenelon Falls	100%	In progress	In progress
Janetville	100%	100%	Complete
King's Bay	100%	100%	Complete
Kinmount	100%	100%	Complete
Lindsay	100%	In progress	In progress
Manilla (Woods of Manilla)	100%	93.93%	Complete
Manorview	100%	100%	Complete
Mariposa Estates	95.15%	100%	Complete
Norland	100%	In progress	In progress
Omeme	100%	100%	Complete
Pinewood	100%	100%	Complete
Pleasant Point	100%	100%	Complete
Sonya	100%	100%	Complete
Southview Estates	98.4%	100%	Complete
Victoria Place	100%	100%	Complete
Western Trent/Palmina	100%	100%	Complete
Woodfield	100%	100%	Complete
Woodville	100%	100%	Complete

A summary of non-compliances received during the 2020-2021 inspection period is included in each of the system reports attached to this report. All instances of non-compliance have been addressed to the satisfaction of the MECP.

Other Alternatives Considered:

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

Alignment to Strategic Priorities

The 2020 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 – 2020 Birch Point Drinking Water System Annual Report



2020 Annual Report
Birch Point DWS.pdf

Appendix B – 2020 Bobcaygeon Drinking Water System Annual Report



2020 Annual Report
Bobcaygeon DWS.p

Appendix C – 2020 Canadiana Shores Drinking Water System Annual Report



2020 Annual Report
Canadiana Shores C

Appendix D – 2020 Fenelon Falls Drinking Water System Annual Report



2020 Annual Report
Fenelon Falls DWS.i

Appendix E – 2020 Janetville Drinking Water System Annual Report



2020 Annual Report
Janetville DWS.pdf

Appendix F – 2020 King's Bay Drinking Water System Annual Report



**2020 Annual Report
King's Bay DWS.pdf**

Appendix G – 2020 Kinmount Drinking Water System Annual Report



**2020 Annual WT
Report Kinmount D**

Appendix H – 2020 Lindsay Drinking Water System Annual Report



**2020 Annual Report
Lindsay DWS.pdf**

Appendix I – 2020 Manilla (Woods of Manilla) Drinking Water System Annual Report



**2020 Annual Report
Manilla DWS.pdf**

Appendix J – 2020 Manorview Drinking Water System Annual Report



**2020 Annual Report
Manorview DWS.pd**

Appendix K – 2020 Mariposa Estates Drinking Water System Annual Report



**2020 Annual Report
Mariposa Estates D**

Appendix L – 2020 Norland Drinking Water System Annual Report



**2020 Annual WT
Report Norland DW**

Appendix M – 2020 Omemee Drinking Water System Annual Report



**2020 Annual Report
Omemee DWS.pdf**

Appendix N – 2020 Pinewood Drinking Water System Annual Report



**2020 Annual Report
Pinewood DWS.pdf**

Appendix O – 2020 Pleasant Point Drinking Water System Annual Report



**2020 Annual Report
Pleasant Point DWS**

Appendix P – 2020 Sonya Drinking Water System Annual Report



**2020 Annual Report
Sonya DWS.pdf**

Appendix Q – 2020 Southview Estates Drinking Water System Annual Report



**2020 Annual Report
Southview DWS.pdf**

Appendix R – 2020 Victoria Place Drinking Water System Annual Report



**2020 Annual Report
Victoria Place DWS.pdf**

Appendix S - 2020 Western Trent Palmina Drinking Water System Annual Report



**2020 Annual WT
Report Western Trent**

Appendix T – 2020 Woodfield Drinking Water System Annual Report



2020 Annual Report
Woodfield DWS.pdf

Appendix U – 2020 Woodville Drinking Water System Annual Report



2020 Annual Report
Woodville DWS.pdf

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Department Head: Bryan Robinson