

The Corporation of the City of Kawartha Lakes

Council Report

Report Number WWW2020-001

Meeting Date: March 24, 2020

Title: 2019 Annual Waterworks Summary Report

Description: Summary of Mandatory Schedule 22 and Section 11 Drinking Water Reports for Municipal Drinking Water Systems in the City of Kawartha Lakes

Ward Number: ALL

Author and Title: Julie Henry, Quality Management and Policy Coordinator

Recommendation(s):

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)

Department Head:_____

Financial/Legal/HR/Other:_____

Chief Administrative Officer:_____

- Pinewood DWS
- Pleasant Point DWS Sonya DWS
- Sonya DWS
- Southview DWS
- Victoria Place DWS
- Western Trent DWS
- Woodfield DWS
- Woodville DWS.

Background:

At the Council Meeting of March 26, 2019 Council adopted the following resolution:

14.1.16 WWW2019-005

2018 Annual Waterworks Summary Report

Julie Henry, Quality Management and Policy Coordinator

CR2019-243

That Report WWW2019-005, **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
- Southview DWS
- Victoria Place DWS
- Western Trent DWS
- Woodfield DWS
- Woodville DWS

Carried

This report addresses the requirements under the *Safe Drinking Water Act, 2002* (SDWA), Section 11 and Schedule 22 of Ontario Regulation 170/03 for the 2019

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

Section 11 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 upon 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 through the regulation covering the reporting period, as well as test results from previous periods of testing (if testing was not required within the current reporting period), are also included.

Operating authorities are required to make Section 11 reports available to the public free of charge. It is also required that reports for systems that serve more than 10,000 residents be published on the City of Kawartha Lakes website by February 28th of the year following the reporting period. Only the Lindsay DWS falls under this 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.

Schedule 22 reports must be made available to the system 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 system 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 01, 2019 to March 31, 2020. 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.

The Ministry's Municipal Residential Drinking Water Inspection Protocol contains up to fourteen (14) inspections 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" 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. Of the twenty facilities that have received their inspections ratings for 2019-2020, eighteen received a rating 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 of the City of Kawartha Lakes.

21 Drinking Water Systems	Compliance Rating (2018-2019)	Compliance Rating (2019 – 2020)	Status as of March 2020 (Complete/ In progress)
Birch Point Estates	100%	100%	Complete
Bobcaygeon	100%	100%	Complete
Canadiana Shores	100%	100%	Complete
Fenelon Falls	100%	---	In progress
Janetville	100%	100%	Complete
King's Bay	100%	100%	Complete
Kinmount	100%	100%	Complete
Lindsay	100%	100%	Complete
Manilla	100%	100%	Complete
Manorview	100%	100%	Complete
Mariposa Estates	100%	95.15%	Complete
Norland	100%	100%	Complete
Omeme	100%	100%	Complete
Pinewood	100%	100%	Complete
Pleasant Point	100%	100%	Complete
Sonya	100%	100%	Complete
Southview	100%	98.4%	Complete
Victoria Place	100%	100%	Complete
Western Trent/Palmina	100%	100%	Complete
Woodfield	100%	100%	Complete
Woodville	96.97%	100%	Complete

A summary of the non-compliances received during the 2019-2020 inspection period are included in each of the system reports attached to this report. All instances of non-compliance have been resolved to the satisfaction of the MECF.

Other Alternatives Considered:

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

Financial/Operation Impacts:

There are no financial implications associated with this report.

Relationship of Recommendation(s) To The 2020-2023 Strategic Plan:

The 2019 Annual Waterworks Summary Report shows a commitment from the Water and Wastewater Division to the Strategic Priority of “A Healthy Environment” by continuing to ensure municipal drinking water sources are protected and municipal drinking water continues to meet provincial standards.

Consultations:

Director of Public Works
Manager of Environmental Services
Supervisor, Water and Wastewater Operations

Attachments:

Appendix A – 2019 Drinking Water Reports



2019 Annual Report
Lindsay DWS.pdf



2019 Annual Report
Birch Point DWS.pdf



2019 Annual Report
Bobcaygeon DWS.pdf



2019 Annual Report
Canadiana Shores DW



2019 Annual Report
Fenelon Falls DWS.pdf



2019 Annual Report
Janetville DWS.pdf



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Norland DWS.pdf



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Omemee DWS.pdf



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Pinewood DWS.pdf



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Pleasant Point DWS.pr



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Sonya DWS.pdf



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2019 Annual Report
Victoria Place DWS.pdf



2019 Annual Report
Western Trent Palmini



2019 Annual Report
Woodfield DWS.pdf



2019 Annual Report
Woodville DWS.pdf

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