

The Corporation of the City of Kawartha Lakes

Council Report

Report Number WWW2018-005

Date: March 20, 2018
Time: 2:00 p.m.
Place: Council Chambers

Ward Community Identifier: ALL

Subject: 2017 Annual Waterworks Summary Report

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

Recommendation(s):

That Report WWW2018-005, **2017 Annual Waterworks Summary Report**, be received; in accordance with reporting requirements of Ontario Regulation 170/03 Schedule 22 under the *Safe Drinking Water Act, 2002* for the following Municipal Residential Drinking Water Systems (DWS) owned by the City of Kawartha Lakes:

- Birchpoint 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 Estates DWS

Department Head: _____

Financial/Legal/HR/Other: _____

Chief Administrative Officer: _____

- Victoria Place DWS
- Western Trent DWS
- Woodfield DWS
- Woodville DWS

Background:

Section 11 and Schedule 22 of Ontario Regulation 170/03 under the Safe Drinking Water Act (SDWA) requires owners of Large and Small Municipal Residential Drinking Water Systems to prepare two separate annual reports that include information on various aspects of the operations of the drinking water system(s) throughout the preceding calendar year.

Section 11 reports must contain a brief description of the drinking water system, including list of water treatment chemicals used by the system during the reporting period. It must also contain a summary of all reports made to the Ministry of the Environment and Climate Change (MOECC) under section 16-4 of Schedule 16 of the regulation, for any other observations that require reporting other than adverse results that could possibly indicate improper disinfection. A description of all corrective actions taken during this period is also included in the report. The report includes a summary of all results from tests required in the regulation covering the reporting period, including those test results from previous periods if testing was not required within the current reporting period. Section 11 reports are required to be made available to the public for viewing free of charge. These reports are published on the City's website and are made available through the Water and Wastewater Division and the Clerk's office upon request. They must be published on the website and available by February 28th of each following year.

Reports required under Schedule 22 of the regulation are required to be reported annually to Council not later than March 31st of the following year. The reports must include a list of requirements of the Act, the regulations, the system's approval and any order that the system failed to meet at any time during the reporting period as well as the duration of the failure. A description of the measures taken to correct the failures must also be included. This report includes information that can be used for the purpose of enabling the owner to assess the capability of the system in meeting existing and planned demands on the system. This type of information includes a summary of quantities, flow rates of water supplied (including monthly average), maximum daily flows and daily instantaneous peak flow rates. This information needs to be compared to the rated capacity and flow rates defined in the system's approval. A copy of the Schedule 22 reports for each of the City's twenty-one drinking water systems is attached to this report and is available for viewing at the clerk's office.

The resolution was carried in 2017 through the following:

10.3.11 WWW2017-003

Helena Milchin-Raposo, Contract Coordinator
2016 Annual Waterworks Summary Report

CR2017-232

RESOLVED THAT Report WWW2017-003, **2016 Annual Waterworks Summary Report** be received in accordance with reporting requirements of Ontario Regulation 170/03 Schedule 22 under the *Safe Drinking Water Act*, 2002 for the following Drinking Water Systems (DWS) owned by the City of Kawartha Lakes:

- Birchpoint Estates DWS
- Bobcaygeon DWS
- Canadiana Shores DWS
- Fenelon Falls DWS
- Janetville DWS
- King's Bay DWS
- Kinmount DWS
- Southview Estates DWS
- Mariposa Estates DWS
- Norland DWS
- Lindsay DWS
- Manilla DWS
- Manorview DWS
- Pinewood DWS
- Omemee DWS (Victoria Glen)
- Pleasant Point DWS
- Woodfield DWS
- Woodville DWS
- Victoria Place DWS
- Sonya DWS
- Western Trent/Palmina DWS

CARRIED

This report addresses the requirements under the legislation.

Rationale:

The Ministry of the Environment and Climate Change (MOECC) 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, 2017 to March 31, 2018. Twenty (20) of the Water Treatment Plants are operated by Ontario Clean Water Agency (OCWA). The Lindsay Drinking Water System and all twenty-one (21) distribution systems are operated by the City of Kawartha Lakes staff in the Water and Wastewater Division.

The Ministry'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. The 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.

Key areas that the Ministry looks at when assessing compliance are: Capacity Assessment, Treatment Processes, Operations Manuals, Logbooks, Certification and Training, Water Quality Monitoring, Reporting and Corrective Actions and Treatment Process Monitoring. A Compliance Inspection Rating (CIR) of less than 100% is not necessarily an indication that water was unsafe during the year. Percentage could be lost from a range of items such as documentation or reporting where water produced still met required parameters.

This staff report satisfies the requirements of Schedule 22 of O. Reg. 170/03 under the SDWA.

The summary table below (Table 1.) provides a year over year comparison of facility compliance inspection ratings given following the annual MOECC inspection. Those facilities listed as "In Progress" were in the process of finalizing their annual inspection and reports were not available at the time of this report and will be made available once the MOECC Inspections are complete and the inspection reports are complete.

It is important to note that all systems included in this report provided healthy and safe drinking water to the public throughout the year. The ratings are summarized below in Table 1. Of the twenty drinking water systems that have received their inspection ratings for 2017-2018, nineteen of them received a 100% rating, with five facilities having an overall improvement in their rating from the 2016-2017 inspection rating. This shows the commitment and hard work from staff at CKL and OCWA and their commitment to providing safe drinking water to the residents of the City of Kawartha Lakes.

Table 1.

21 Drinking Water Systems	Operating Authority	Compliance Rating (2016 – 2017)	Compliance Rating (2017-2018)	Status as of March 2018 (Complete/In progress)
Birchpoint Estates	OCWA	100%		In Progress
Bobcaygeon	OCWA	100%	100%	Complete
Canadiana Shores	OCWA	96.94%	100%	Complete
Fenelon Falls	OCWA	100%	100%	Complete
Janetville	OCWA	100%	100%	Complete
King's Bay	OCWA	95.19%	100%	Complete
Kinmount	OCWA	100%	100%	Complete
Lindsay	CKL	98.54%	100%	Complete
Manilla	OCWA	97.10%	100%	Complete
Manorview	OCWA	100%	100%	Complete
Mariposa Estates	OCWA	96.96%	95.43%	Complete
Norland	OCWA	100%	100%	Complete
Omeme	OCWA	100%	100%	Complete
Pinewood	OCWA	100%	100%	Complete
Pleasant Point	OCWA	100%	100%	Complete
Sonya	OCWA	100%	100%	Complete
Southview	OCWA	100%	100%	Complete
Victoria Place	OCWA	96.67%	100%	Complete
Western Trent/Palmina	OCWA	100%	100%	Complete
Woodfield	OCWA	100%	100%	Complete
Woodville	OCWA	100%	100%	Complete

A summary of the non-compliances received during the 2017-2018 inspection period are listed below. All instances of non-compliance have been resolved to the satisfaction of the MOECC.

2017-2018 Non-Compliances:

The MOECC issued one non-compliance to OCWA with regards to the Mariposa Estates Facility that affected the CIR. The non-compliance was not issued as a health concern but rather due to “all microbiological water quality monitoring requirements for distribution samples prescribed not being met.” Specifically, the HPC testing was over the allowable twenty-day period from when the last time HPC was tested for by one day. The MOECC issued an action stating that “by no later than December 1, 2017, the Owner or Operating Authority shall provide the

undersigned provincial officer documentation that shows the operators of this system are aware of the microbiological water quality monitoring requirements as per O. Reg. 170/03.” The result was an inspection score of 95.43% out of a possible 100%.

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 2016-2019 Strategic Plan:

The 2017 Annual Waterworks Summary Report shows a commitment from the Water and Wastewater Division to protecting and enhancing water quality. As such, this report relates to strategic priorities through Goal 3 – A Healthy Environment and Goal 2 – An Exceptional Quality of Life. This report also addresses the action item 3.6.1 in the City Strategic Plan to Protect and Enhance Water Quality.

Inspection and reporting results indicate superior water quality provided to residents through the City’s twenty-one drinking water systems.

Consultations:

Ontario Clean Water Agency (OCWA)
Director of Public Works
Manager, Environmental Services
Supervisor, Water and Wastewater Operations

Attachments:

A. City of Kawartha Lakes DWS Summary



CKL DW Facility
Summary 2017.pdf

B. A copy of the 2017 Annual Waterworks Compliance Reports (Section 11) for each municipal residential drinking water system within the City of Kawartha Lakes. (Electronic copies of these reports are available on the City website and hard copies of these reports will be available for review at the Clerk's office.)



Birchpoint DWS
Section 11 Annual Dri



Bobcaygeon DWS
Section 11 Annual Re



Canadiana Shores
DWS Section 11 Annu



Fenelon Falls DWS
Section 11 Annual Dri



Janetville DWS
Section 11 Annual Re



King's Bay DWS
Section 11 Annual Re



Kinmount DWS
Section 11 Annual Re



Lindsay DWS Section
11 Annual Report 201



Manilla DWS Section
11 Annual Report 201



Manorview DWS
Section 11 Annual Re



Mariposa Estates
DWS Section 11 Annu



Norland DWS Section
11 Annual Report 201



Omeme DWS
Section 11 Annual Re



Pinewood DWS
Section 11 Annual Re



Pleasant Point DWS
Section 11 Annual Re



Sonya DWS Section
11 Annual Report 201



Southview DWS
Section 11 Annual Re



Victoria Place DWS
Section 11 Annual Re



Western Trent
Palmina DWS Section



Woodfield DWS
Section 11 Annual Re



Woodville DWS
Section 11 Annual Re

C. A copy of the 2017 Annual Waterworks Compliance Reports (Schedule 22) for each municipal residential drinking water system within the City of Kawartha Lakes. (Electronic copies of these reports are available on the City website and hard copies of these reports will be available for review at the Clerk's office.)



Birchpoint DWS
Schedule 22 Annual D



Bobcaygeon DWS
Schedule 22 Annual D



Canadiana Shores
DWS Schedule 22 Ann



Fenelon Falls DWS
Schedule 22 Annual D



Janetville DWS
Schedule 22 Annual D



King's Bay Schedule
22 Annual Drinking W:



Kinmount DWS
Schedule 22 Annual D



Lindsay DWS
Schedule 22 Annual D



Manilla DWS
Schedule 22 Annual D



Manorview DWS
Schedule 22 Annual D



Mariposa Estates
Schedule 22 Annual D



Norland DWS
Schedule 22 Annual D



Omeme DWS
Schedule 22 Annual D



Pinewood DWS
Schedule 22 Annual D



Pleasant Point DWS
Schedule 22 Annual D



Sonya DWS Schedule
22 Annual Drinking W:



Southview Estates
DWS Schedule 22 Ann



Victoria Place DWS
Schedule 22 Annual D



Western Trent DWS
Schedule 22 Annual D



Woodfield DWS
Schedule 22 Annual D



Woodville DWS
Schedule 22 Annual D

Department Head E-Mail: brobinson@kawarthalakes.ca

Department Head: Bryan Robinson, Director of Public Works