

COMMUNICATION 131055

Received From: Dave Young, Director of Public Works
Addressed To: Committee of the Whole
Date: April 21, 2020
Topic: Carleton Place Drinking Water System 2019 Annual Report

SUMMARY

Ms. Alison O'Connor of the Ontario Clean Water Agency has provided the 2019 Annual Report for the Town's Drinking Water System. The report is a regulatory requirement of O. Reg. 170, which must be prepared prior to March 31 of the following calendar year. As the Owner, Council is required to review and accept this report and also make it available to the Public. The report was prepared prior to the end of February.

BACKGROUND

The report contains:

- a system process description;
- a summary of non-compliance and Ministry inspection findings;
- a summary of quantities and flow rates including comparison of this information to rated capacity;
- results of drinking water samples taken over the year; and
- identification of maintenance activities that occurred over the year.

COMMENT

There was an inspection undertaken by the Ministry of the Environment Conservation and Parks (MECP) in January of 2019 in which the Town received a rating of 96.73%.

Also, there was an Adverse Water Quality Incident identified in the reporting period resulting in a 10 minutes loss of data which occurred during the switch back to normal power supply during the monthly operation of the backup power supply. The Drinking Water Regulations require a reading of chlorine residual every five (5) minutes. OCWA staff reviewed the issue and have not had a repeat of this occurrence.

Staff has reviewed historical flows and we are now starting to experience an annual increase in demand for water supply. Staff feels that growth in the community is starting to have a noticeable impact on trends and although there is still adequate capacity at the Water Plant for the upcoming years, planning for the next expansion should be initiated in the near future. This is an issue that has already been identified through J.L. Richards Resiliency Study conducted in 2018, and was included as a growth-related project in the Town's Development Charges By-Law.

Also, it should be noted that Blue-Green Algae blooms were discovered on Mississippi Lake in 2018. As a result, the Ministry directed OCWA to undertake a sampling program to monitor the situation at the water treatment plant. No microcystin readings were detected throughout the 2018 sampling period.

In 2019, there was one bloom identified by MECP in 2019, with samples taken by the Ministry at the bloom site. Due to sample results and the location of the bloom, no additional sampling was required by OCWA.

Test results for all parameters of drinking water produced at the Carleton Place Water Treatment Plant in 2019 were within acceptable levels.

STAFF RECOMMENDATION

THAT Council accepts the Carleton Place Drinking Water System 2019 Annual Report as information; and

THAT the report be made available to the Public via the Town's Website.