

COMMUNICATION 131056

Received From: Dave Young, Director of Public Works
Addressed To: Committee of the Whole
Date: April 21, 2020
Topic: Carleton Place Wastewater 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 Wastewater System. The report is a regulatory requirement, as per Condition 12(6) of the Certificate of Approval #5001-7FZT4A for the Carleton Place Wastewater Treatment Facility. The Annual Report is to be prepared and submitted to the District Manager of the Ministry of Environment, Conservation and Parks within 90 days following the end of the reporting period. This report has been already been provided to the District Manager within the required timeline.

BACKGROUND

The Certificate of Approval contains a comprehensive list of required information to be incorporated into the Annual Report, including but not limited to:

- a summary and interpretation of all monitoring data;
- a description of operating problems encountered, and corrective actions taken
- a summary of maintenance activities;
- documentation of calibration of monitoring equipment;
- septage volumes, characteristics and impacts on treatment operations;
- characteristics and volumes of centrate that is generated from dewatering operations;
- a summary of complaints received from the Public; and
- a summary of all by-pass, spill or abnormal discharge events.

COMMENT

The Carleton Place Wastewater Treatment Plant experienced four (4) by-pass events in April 2019 due to a combination of significant rainfall events and spring flooding conditions. Although the plant does experience an increase in flows during wet weather conditions, 2019 was an exceptional year in terms of wet weather conditions that impacted virtually all collection and treatment systems throughout Eastern Ontario.

The by-pass events are broken down into two (2) types of events. One is described as Diversion (Physical/Chemical) and this term is best described as the diversion of flows away from the biological process to storm tanks and then treated for solids removal. The flows are then directed to the UV system for disinfection prior to final discharge. These events happen when the flows exceed the biological process capacity but not the total plant design capacity.

The events described as "By-Pass" are flows that exceed overall design capacity and are diverted away from the plant with no treatment. This is to protect downstream equipment and controls from flooding damage.

STAFF RECOMMENDATION

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

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