

COMMUNICATION 136025

Received From: Guy Bourgon, Director of Public Works
Addressed To: Committee of the Whole
Date: March 25th, 2025
Topic: Carleton Place Wastewater System 2024 Annual Report

SUMMARY

The Ontario Clean Water Agency has provided the 2024 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 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;
- a summary of complaints received from the Public; and
- a summary of all by-passes, diversions or abnormal discharge events.

COMMENT

Events are broken down into three (3) categories: diversion, by-pass and overflow. "Diversion" is best described as the diversion of flows away from the biological process 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 Carleton Place Wastewater Treatment Plant experienced one (1) diversion event in 2024 due to a significant rainfall event in August.

The events described as "By-Pass" occur subsequent to a diversion when flows exceed overall design capacity, and it becomes necessary to direct excess flows away from the plant with no treatment. By-passing is necessary to protect treatment plant equipment and controls from flooding damage. There were no by-pass events experienced in 2024. There were also no overflows from any of the tanks, channels or other infrastructure in 2024.

There was one (1) effluent quality non-compliance in mid-May of 2024 relating to Total Ammonia Nitrogen (TAN). This was quickly remedied to bring TAN into compliance by the following week, with no further exceedances for the remainder of the reporting period.

The only other non-compliance was due to a missed bacteriological/Fecal Strep effluent sample. Protocols were implemented to prevent a recurrence.

STAFF RECOMMENDATION

THAT Council accepts the Carleton Place Wastewater System 2024 Annual Report as information; and

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