



CLI-ECA Annual Report: Whitchurch-Stouffville Sewage Collection System

ECA Number: 132-W601

Reporting Period: January 1st – December 31st, 2023

Report Prepared By: The Corporation of the Town of Whitchurch-Stouffville

Introduction

The following report is presented in accordance with Environmental Compliance Approval (ECA) Number 132-W601, Issue 1, issued by the Ministry of Environment, Conservation and Parks (MECP) on August 1st, 2023. The ECA Document outlines the terms and conditions for operating the Whitchurch-Stouffville Sewage Collection System.

The Town of Whitchurch-Stouffville owns, operates, and maintains the Whitchurch-Stouffville Sewage Collection System, which consists of approximately 102 kilometres of gravity sewer mains, 1654 manholes, 305 metres of forcemains, and one temporary sewage pumping station. The Whitchurch-Stouffville Sewage Collection System serves approximately 37,400 residents and businesses in the community of Stouffville. The Whitchurch-Stouffville Sewage Collection System discharges into the York-Durham Sanitary System (YDSS), where the sewage is treated at the Duffin Creek Water Pollution Control Plant, which is managed by York Region and Durham Region.

Within the Final ECA Document, Schedule E, Sections 4.6 - 4.7 outline the annual performance reporting requirements for the Town to provide to the MECP and the public on an annual basis. This report presents the operational performance and activities undertaken to maintain the Whitchurch-Stouffville Sewage Collection System for the period of January 1st to December 31st, 2023. A copy of this report will be made available to the public on the Town's website.

Summary of Spills During Transitional Period

As per the requirements of any previous ECAs, the Town is required to report if any spills occurred during the transitional period of January 1st to December 31st, 2022. No spills occurred during the transitional period.

Summary of Monitoring Data, Conclusions for Future Alterations

The Town of Whitchurch-Stouffville undertakes an annual CCTV inspection program to survey the condition of both sanitary and storm sewer infrastructure. The areas selected for annual inspections are determined based on age and known operational issues, as well as the length of time between surveys of each area.

In 2023, approximately 9 kilometres of sanitary sewer were flushed and inspected through the annual CCTV inspection program. Additionally, approximately two kilometres of sanitary sewers were surveyed as part of an initiative to determine the length and replacement cost of the existing asbestos cement pipes in the Town.

The Town will continue to replace older sections of sewer pipe in poor condition through its Capital Projects Reconstruction program. The annual CCTV inspections will be used to identify sewer sections in need of replacement, and sections with significant deficiencies will be a factor in establishing the priority of reconstruction projects in the Town's Capital Budget.

Summary of Operating Problems and Corrective Actions Taken

Four sanitary lateral services were identified during the reporting period that were causing problems for the homeowners. These issues were found to be within the municipal portion of the service and required repair by the Town.

- 86 Church Street: Sanitary lateral repair performed February 2024
- 800 Millard Street: Sanitary lateral repair performed February 2024
- 127/131 Miltrose Crescent: Sanitary lateral repair performed February 2024
- 514 Elm Road: Sanitary lateral repair scheduled for Summer 2024

Summary of Calibration, Maintenance, and Repairs

The Town owns two GasAlert Max XT 11 units, which are used to detect potentially harmful gases prior to any confined space entry. Both devices were calibrated on December 8, 2023, and both units passed the inspection and calibration. Additionally, the Town has its own test cannisters, and performs “bump tests” prior to any confined space entry.

The Town has identified approximately eleven sections of sanitary sewer pipe totalling approximately two kilometres where the lack of grade and velocity is an ongoing maintenance concern. These sections are inspected monthly and flushed by the Town’s sewer inspection and flushing contractor as required.

Summary of Complaints Related to Sewage Works

Below is a table summarizing the complaints received by the Town regarding the sewage collection system during the reporting period.

Type of Complaint	Number of Complaints	Actions Taken
Stoppage/Back-ups	13	<ul style="list-style-type: none"> • All complaints were investigated and addressed by Town Staff • Some incidents were identified as private plumbing issues with no issues on the Town side • Some issues required maintenance and repairs by the Town
Odour Complaints	1	<ul style="list-style-type: none"> • All complaints were investigated and addressed by Town Staff

Summary of Alterations to the Authorized System

While no Alterations to the Authorized System under the current CLI-ECA were submitted during the reporting period, the following reconstruction project was undertaken to replace various aspects of the Town’s infrastructure, including the sanitary sewer and service connections within the project area.

Lloyd Street Reconstruction – the reconstruction of Lloyd Street included the removal and replacement of the previous clay sanitary sewer with PVC sewermain and service laterals. The application for the sewer works for this project was filed under the previous ECA program and received Reference Number 6765-CRMPQ6 from the MECP. This project is outside of the source water protection areas and is thus not a Significant Drinking Water Threat.

Summary of Collection System Overflows and Spills of Sewage

The Town did not experience any CSOs, Spills of Sewage, STP Overflows or Bypass events during the reporting period. If a CSO, Spill of Sewage, STP Overflow or Bypass does occur, Table 6 will provide a summary of the event(s), including:

- Dates;
- Volumes and durations;
- If applicable, loadings for total suspended solids, BOD, total phosphorus, and total Kjeldahl nitrogen, and sampling results for E.coli;
- Disinfection, if any; and
- Any adverse impacts(s) and any corrective actions, if applicable.

Summary of Efforts Made to Reduce Collection System Overflows, Spills, STP Overflows, and/or STP Bypasses

In an effort to reduce the likelihood of collection system overflows, spills, or other adverse events, the reconstruction projects undertaken by the Town's Capital Projects program replace sections of sanitary sewer that either have or are likely to cause maintenance issues. In 2023, the sanitary sewer on Lloyd Street was replaced as part of the Lloyd Street Reconstruction Project, which included 284 metres of sewermain, manholes, and the municipal portion of the service connections. The expenditure for the sanitary sewer works in this project were \$931,862.12.

The Town's Capital Budget outlines future projects with sanitary sewer components that aim to improve the overall condition of the sanitary sewage collection system. These include O'Brien Avenue Reconstruction (2024), Commercial Street/Library Lane/Mill Street/George Street Reconstruction (2024), and Edward Street Reconstruction (2024-2025).

The Town also conducts an annual sewer flushing and CCTV inspection program, to flush sections of sewer as required and perform CCTV inspections to assess the condition of a selected area of sanitary sewers, and other sections as required. In 2023, the expenditures for sewer flushing and CCTV inspection totalled \$54,060,21.