



Town of Collingwood

2025 Annual Sewage Collection System Performance Report

Table of Contents

4.6.3 Monitoring Data 4

4.6.5 Calibration, Maintenance and Repairs 5

4.6.6 Complaints 6

4.6.7 Notice of Modifications to Sewage Works 6

4.6.8 Bypasses, Overflows and Spills 6

4.6.9 Reducing Collection System Overflows 7

Conclusion 8

Introduction

The Town of Collingwood received its first Consolidated Linear Infrastructure – Environmental Compliance Approval (CLI-ECA) Sanitary Sewer effective February 28, 2023. ECA Number: 100-W601, Issue Number: 1

A requirement of CLI-ECA is to produce an annual report that is submitted to the Director by March 31st of each year. In addition, if there is a Collection System Overflow or Spill of Sewage the report must be submitted to the District Manager. The report must be made available to the public by June 1st, publishing the report on the Town's website.

The following sections (as referenced in Schedule E of the CLI-ECA) are required to be reported.

4.6.3 Monitoring Data

A summary of all required monitoring data along with an interpretation of the data and any conclusion drawn from the data evaluation about the need for future modifications to the Authorized System or system operations.

The 2025 flows for the sewage pumping stations were as follows:

- Black Ash Creek Sewage Pumping Station: 994,261.50 m³
- Cranberry Sewage Pumping Station: 53,294.0 m³
- Minnesota Sewage Pumping Station: 1,650,865.0 m³
- Paterson Street Sewage Pumping Station: 255,362.60 m³
- Pretty River Estates Sewage Pumping Station: 63,845.0 m³
- St. Clair Street Sewage Pumping Station: 734,191.0 m³
- Silver Glen Sewage Pumping Station: 37,680.0 m³

Flows between 2024 and 2025 were generally consistent, with a few station-specific deviations. Minnesota SPS decreased from 1,743,886 m³ in 2024 to 1,650,865 m³ in 2025, potentially related to minor I&I reductions and operational issues noted in Section 4.6.4.

Paterson Street SPS increased from 242,643 m³ to 255,362.6 m³, and Pretty River Estates SPS increased from 61,794 m³ to 63,845 m³, suggesting possible localized wet weather influence, while Black Ash Creek SPS remained stable (983,595 m³ to 994,261.5 m³). This area is also experiencing ongoing development growth, which may be contributing to the observed changes.

Cranberry SPS (54,015 m³ to 53,294 m³) and St. Clair Street SPS (744,611 m³ to 734,191 m³) showed minor decreases. Silver Glen SPS decreased notably from 54,416 m³ to 37,680 m³ and appears to be an outlier.

Overall, there is no clear system-wide wet weather impact, and flows remained largely stable year over year.

4.6.4 Operating Issues

A summary of all operating issues encountered, and corrective actions taken:

In 2025, the following operational issues were addressed and resolved:

At the Minnesota SPS, the grinder was removed and the unit inspected due to flow issues. No further maintenance was needed.

At the Pretty River SPS, a wet well cleanout was carried out to manage high levels of grease regularly entering the pump station, which had been causing pump control problems.

4.6.5 Calibration, Maintenance and Repairs

Includes a summary of all calibration, maintenance, and repairs carried out on any major structure, Equipment, apparatus, mechanism, or thing forming part of the Municipal Sewage Collection System.

Scheduled Maintenance. When maintenance is completed, notes are listed in the logbook. Any reports received are filed at the plant. All maintenance work completed is listed below.

The routine maintenance activities at all Sewage Pumping Stations (SPS) for the equipment are as follows:

- Gas Monitoring Equipment: Annual calibration, inspection, and maintenance.
- Standby Generators: Semi-annual inspection and maintenance, with bi-weekly operational tests, inspections, and maintenance.
- Flow Meters: Annual calibration to ensure accurate measurement of flows.
- Wet Wells: Cleaning performed as required based on visual inspections.
- Grease Bearings: Lubrication carried out according to the preventative maintenance schedule.

The Town of Collingwood has a program that aims to flush approximately 33% of the entire linear sewer collection system with 1/3 of the municipality being flushed each year. During flushing operations, manholes are visually inspected for structural issues such as broken frames/lids, missing bricks, faulty parging, as well as debris. Known problem areas are flushed on a weekly basis as staff scheduling permits.

Unscheduled Maintenance. In 2025, the following unscheduled repairs were

performed:

At 10th Line SPS, the galvanized guide rails had rotted and broken, causing a pump failure. New guide rails and a shelf spare pump were installed.

At Paterson SPS, a repair was completed on the generator intake dampers.

At St. Clair SPS, the grinder failed and was removed. A replacement grinder has been ordered and is scheduled for installation in 2026.

At Cranberry SPS, the generator was found to have a rotten radiator. A temporary rental unit was brought in to provide backup power while the part was on order. The generator was repaired and returned to service in December 2025.

4.6.6 Complaints

A summary of any complaints received, and any steps taken to address the complaints

There were no complaints received in this reporting period.

4.6.7 Notice of Modifications to Sewage Works

Includes a summary of all Alterations to the Authorized System within the reporting period that are authorized by this Approval including a list of Alterations that pose a Significant Drinking Water Threat.

Vertical Infrastructure. In 2025, a Director Notification Form was submitted on December 4 regarding the replacement of two 1,100 L diesel fuel tanks for the standby generator with two slightly smaller 910 L tanks at the St. Clair Street Sewage Pumping Station.

Linear Infrastructure. A Record of Future Alteration (SS1 Form) was issued on June 9, 2025, for replacement of the existing sanitary sewer beneath the Oak Creek culvert. The pipe was split at the existing bridge, with outlets to the existing manholes at the Oak Street and Birch Street intersections.

New sanitary mains and service connections were installed along St. Paul Street (from Ontario Street to Fourth Street) and along Fourth Street (from St. Marie Street to St. Paul Street).

4.6.8 Bypasses, Overflows and Spills

A summary of all Collection System Overflow(s) and Spill(s) of Sewage, including any bypass, overflows or spills. Include dates and times, amount, reasons and actions taken, sampling results.

Due to high wet weather flows at the Collingwood Wastewater Treatment Plant, operators initiated an overflow at the Minnesota Street Sewage Pumping Station via the station's

bypass chamber on April 3, 2025, to prevent flooding of local infrastructure, including residents' basements. Prior to activating the overflow, operators implemented all measures possible to maximize flow through the downstream treatment process.

The overflow lasted approximately twelve hours, resulting in an estimated discharge of 3,125 m³ of wastewater, consisting of a mixture of untreated wastewater and inflow/infiltration.

The event was reported to the MECP, and all appropriate corrective actions were completed.

No other bypass or overflow events at SPS occurred in 2025.

4.6.9 Reducing Collection System Overflows

A summary of efforts made to reduce Collection System Overflows, Spills, STP Overflows, and/or STP Bypasses, including the following items, as applicable:

a) A description of projects undertaken and completed in the Authorized System that result in overall overflow reduction or elimination including expenditures and proposed projects to eliminate overflows with estimated budget forecast for the year following that for which the report is submitted.

b) Details of the establishment and maintenance of a PPCP, including a summary of project progresses compared to the PPCP's timelines.

c) An assessment of the effectiveness of each action taken.

d) An assessment of the ability to meet Procedure F-5-1 or Procedure F-5-5 objectives (as applicable) and if able to meet the objectives, an overview of next steps and estimated timelines to meet the objectives.

e) Public reporting approach including proactive efforts.

The Town of Collingwood's sanitary collection system is not combined with the storm sewer system - there are no combined system overflows, spills and bypasses. However, there are elevated flows from inflow and infiltration, particularly after wet weather events.

a) The Town conducts manhole inspection and rehabilitation work which can assist to minimize inflow and infiltration.

b) An Inflow & Infiltration (I&I) study was substantially completed in 2025. The study included 10 months of flow monitoring spanning 2024 and 2025, mapping and modeling, dry and wet weather analysis and identification of locations in the system where Inflow and Infiltration (I&I) is high. The study conclusions and recommendations outline immediate, short term and long term monitoring and projects to reduce I&I. The recommendations will guide the prioritization of work in 2026.

Key sanitary collection system projects completed in 2025—including manholes, pipes, and service connections—were carried out along St. Paul Street (Ontario Street to Fourth

Street) and Fourth Street (St. Marie Street to St. Paul Street), with total expenditures of \$476,558. In addition, the existing sanitary sewer beneath the Oak Creek culvert was replaced, including associated infrastructure works, at a cost of approximately \$300,000. The Town has budgeted the following for the key linear sanitary work in 2026/2027:

Kathrine Street, Victory Street, and Fair Street Infrastructure Renewal

- \$456,650 for design (completed in 2025/early 2026)
- Construction planned for 2026 with estimated budget of \$6,870,000

Second Street Infrastructure Renewal (Urgent Repair)

- \$125,000 for design (completed in 2025/early 2026)
- Construction planned for 2026 with estimated budget of \$1,440,000

Albert Street and Baker Street Infrastructure Renewal

- \$240,000 for design in 2026
- Construction planned for 2027

High Street 1st to 6th Street

- \$250,000 for design in 2026
- Construction planned for 2028 or later

- c) The Town does not have combined sewers and is not required to have a Pollution Prevention and Control Program (PPCP), as defined in this CLI-ECA.
- d) The Town of Collingwood proactively assesses the effectiveness of actions taken to maintain system compliance. The emergency operational plan has been developed, and the procedures are in place to assess, avoid or mitigate the potential risks to public health and environment.
- e) The Town's system capacity is adequate and meets the requirements of Procedure F-5-1 (Determination Of treatment requirements For Municipal And Private Sewage Treatment Works). The Town of Collingwood's proactive efforts include capital upgrades, timely repair and maintenance activities to minimize the potential risk of Overflows, Spills and treatment facility Bypasses. Procedure F-5-5 does not apply as there are no combined sewers in the system.
- f) The annual performance report is available to the public at no charge on the Town of Collingwood's website.

Conclusion

The Town of Collingwood maintains an effective wastewater collection system. Sufficient funding is allocated for collection system maintenance and improvements. The Town is in the process of implementing a comprehensive inflow and infiltration program and has already proactively established procedures and emergency operational plan.