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# 2025 Annual Performance Report

## The Blue Mountains Wastewater Collection System

**Prepared by: Wastewater Operations**

**Date: March, 30, 2026**

# Table of Contents

## Executive Summary

This report has been prepared as required by Environmental Compliance Approval for a Municipal Sewage Collection System Number 111-W601, Issue 1.

Section 4.6 under Schedule E requires the Owner to prepare an annual performance report for the Authorized system that is submitted to the Director on or before March 31st of each year and covers the period from January 1st to December 31st of the preceding calendar. The report shall contain, but not be limited to the following information pertaining to the reporting period:

4.6.3 If applicable, includes 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 Systems or system operations.

4.6.4 Includes a summary of any operating problems encountered and corrective actions taken.

4.6.5 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.

4.6.6 Includes a summary of any complaints related to the Sewage Works received during the reporting period and any steps taken to address the complaints.

4.6.7 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.

4.6.8 Includes a summary of all Collection System Overflow(s) and Spill(s) of Sewage, including:

a) Dates;

b) Volumes and durations;

c) If applicable, loadings for total suspended solids, BOD, total phosphorus, and total Kjeldahl nitrogen, and sampling results for E.coli;

d) Disinfection, if any; and

e) Any adverse impact(s) and any corrective actions, if appliable.

4.6.9 Includes 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 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.

All the requirements listed in Section 4.6 have been met and will be further explored throughout the report.

## Summary of Monitoring Data

The Blue Mountains Wastewater Collection System is not required to undertake any sample monitoring.

## Summary of Operating Problems Encountered and Corrective Actions Taken

- Craigleith Main Sewage Pump Station had Pump #2 rebuilt due to a failed bearing and bearing housing.
- Lakeshore Sewage Pump Station had a pump failure. The pump was sent out for rebuild and reinstalled.
- Margaret Sewage Pump Station had a pump failure. The pump was sent out for rebuild and reinstalled.
- Sunset Sewage Pump Station had a flow meter fail and it was replaced with like for like.
- Delphi Sewage Pump Station had a flow meter fail and it was replaced with like for like.

## Summary of Calibration, Maintenance and Repairs Carried Out

Calibration of flow monitoring equipment at the Craigleith Main Sewage Lift Station, Delphi Sewage Pumping Station, Peel Sewage Pumping Station and Sunset Sewage Pumping Station was undertaken on May 7, 2025.

- Wet Wells checked monthly and cleaned when required
- Wet Well High-Level Alarms tested monthly
- Generators were serviced by third party Contractor and tested monthly
- Annual inspection of all safety equipment
- Bi-annual inspection of all gas monitors
- Bi-annual vibration testing was performed on all large pumps
- All building ventilation was serviced
- Multiple small horsepower pumps had annual inspection and service performed
- 392 manholes were inspected

- 13,714 meters of collection system was flushed within the Town

## Summary of Complaints Received and Steps Taken to Address

There were 13 odour complaints received related to the Craigleith Main Sewage Pumping Station and (2) two complaints related to different parts of the collection system. All complaints were investigated and follow-up discussion with affected residents was undertaken.

## Summary of Alterations to the Authorized System including a list of Alterations that pose a Significant Drinking Water Threat

Not applicable

## Summary of all Collection System Overflow(s) and Spill(s) of Sewage

Incident #1-N314SR on March 31, 2025, there was a power and alarm failure at the Margaret SPS. The estimated duration of 18 hours with an estimated volume of 200 cubic meters.

Incident #1-N78GJS on April 3, 2025, a significant rainfall event caused issues at the Mill Street SPS. The Mill SPS can only pump so much wastewater until the upgrades are completed. The estimated duration of 13.5 hours with an estimated volume of 1,750 cubic meters.

Incident #1-OO0X9J on June 30, 2025, a significant rainfall event caused issues at the Mill Street SPS. The Mill SPS can only pump so much wastewater until the upgrades are completed. The estimated duration of 7.8 hours with an estimated volume of 1,040 cubic meters.

Incident #1-ONZWOC on June 30, 2025, a significant rainfall event caused issues on Cottage Lane. The Mill SPS can only pump so much wastewater until the upgrades are completed. Sewer was surcharged and bypassed out of the manhole. The estimated duration of 3.5 hours with an estimated volume of 480 cubic meters.

Incident #1-P5W2QS on June 30, 2025, a significant rainfall event caused issues on Huron Street. A significant rainfall event caused the sewer on Huron Street to surcharge resulting in bypassing out of a manhole. The estimated duration and volume are both unknown.

Incident #1-PB5W1J on August 11, 2025, during construction of Thornbury West Phase 1B it was noted that existing services at 47, 51, 53 and 55 Alice Street were connected to the storm sewer. This was corrected during reconstruction. Both the estimated duration and volume are unknown.

Incident #1-PV70AN on December 2, 2025, during the reconstruction of Bay Street, the forcemain was damaged causing sewage to fill the Contractor’s excavation site. Sewage was pumped into trucks and hauled to the Thornbury Wastewater Treatment Plant. The estimated duration of 2 hours with an estimated volume of 100 cubic meters.

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

The Town has undertaken a Wastewater Master Plan to identify the collection system needs for existing and future build-out. The Wastewater Master Plan was completed in 2025.

The Town has reconstructed a major part of Thornbury collection system with Thornbury West Phase 1B, completed in 2025. Phase 2 is in the Engineering stages.

The Town upgraded the Margaret Sewage Pump Station with flow meters, Programmable Logic Control (PLC), Variable Frequency Drives (VFD), level indicator and dialer alarms.

In 2022 Staff presented Staff Report CSOP.22.059 to Town Council which endorsed the development of an Inflow and Infiltration(I&I) Reduction Strategy that focused on five key components to ensure continuous improvement and effective implementation. In addition to this, the Town is undertaking several capital projects designed to reduce and fix leaky infrastructure.

The Town has undertaken studies in the past such as the 2014 Inflow and Infiltration Study, a 2019 Needs Assessment and a new sanitary model that identified locations with high I&I rates and provided remediation strategies to address them.

The Town has established an I&I flow Monitoring Program and has initiated the Town wide Wastewater Collection Master Plan which will provide vital information to help focus our efforts. Staff have installed (5) five weather stations at key locations throughout the wastewater collection system to improve our relationship between wet weather / rainfall events and wastewater flow.

The Town hired WT Infrastructure to engineer upgrades to the Craigleith Pumping Station, Mill Street Pumping Station, a second Forcemain for Mill Street to help with capacity and Bay Street Reconstruction to help with I&I. The Reconstruction of Bay Street and upgrades for Craigleith Pump Station have been awarded. The Bay Street reconstruction project began in 2025.

An abandoned manhole from an old industry was decommissioned. This was a known source of I&I in Thornbury.

## Summary of Notice of Modifications to Sewage Works Completed

Not applicable