



2024 Annual Performance Report

Town of Orangeville Stormwater Management System



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Introduction

The Corporation of the Town of Orangeville (herein referred to as the Town) is the Owner of the Municipal Stormwater Management (SWM) System, as per the Environmental Compliance Approval (ECA) No. 108-S701 issued on February 28, 2023.

As per Schedule B of the ECA, the Town's SWM system comprises 18 wet stormwater management ponds. The SWM system contains all other controls and appurtenances that are essential for the operation of the works. This Annual Performance Report details the work that was completed in 2024. While data gaps still exist, the Town has taken steps towards addressing this.

In 2025, the Town hired two permanent positions; one to oversee the CLI-ECA and another to oversee the maintenance work that is required to maintain the stormwater infrastructure. In March 2025, the Town developed a detailed work plan to achieve the requirements of the CLI-ECA. Based on these actions, it is anticipated that subsequent Annual Performance Reports will be more detailed.

Annual Performance Report

In accordance with the ECA No. 108-S701, Schedule E, Section 5.2, the Town, shall prepare and submit an Annual Performance Report to the Ministry of the Environment Climate Change and Parks (MECP) by April 30th of each calendar year. The report encompasses the period from January 1 to December 31 of the preceding calendar year. The Annual Performance Report shall include the following:

- a) A summary of all monitoring data along with an interpretation of the data and an overview of the condition and operational performance of the Authorized System and any Adverse Effects on the Natural Environment;
- b) A summary and interpretation of environmental trends based on all monitoring information and data for the previous five (5) years;
- c) A summary of any operating problems encountered, and corrective actions taken;
- d) A summary of all inspections, maintenance, and repairs carried out on any major structure, equipment, apparatus, mechanism, or item forming part of the Authorized System;
- e) A summary of the calibration and maintenance carried out on all monitoring equipment;
- f) A summary of any complaints related to the Sewage Works received during the reporting period and any steps taken to address the complaints;
- g) 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;
- h) A summary of all spills or abnormal discharge events;
- i) A summary of actions taken, including timelines, to improve or correct performance of any aspect of the Authorized System; and
- j) A summary of the status of actions for the previous reporting year.

The information presented in this report was generated from the records maintained by the Town for the calendar year 2024. Where information is missing or incomplete, we have provided dialogue to address these items the 2025 reporting year if applicable.

Interpretation of Monitoring Data

This section includes a summary of all monitoring data along with an interpretation of the data and an overview of the condition and operational performance of the Authorized System and any Adverse Effects on the Natural Environment. Please note that within 24 months of the publication of the Ministry’s Monitoring Guidance document, the Town will establish a Monitoring Plan which will direct the monitoring data that is collected. In the interim, the Town will continue with monitoring the stormwater infrastructure through the current routine checks and inspections that have been carried out in the past.

Monitoring of the SWM system includes annual programs consisting of storm main flushing and camera work, stormwater management facility inspections and maintenance hole repair or replacement. All programs help to sustain an effective Capital Works program that coordinates with the Town’s maintenance objectives.

Table 1 below details the monitoring activities performed by staff during the reporting period. Based on the data collected and reviewed, it has been determined that the system is performing adequately to meet demand and maintenance requirements. At this time there are no major modifications required for the SWM system. Continuous improvement and optimization remain a priority for staff and management.

Table 1. Summary of Monitoring Programs

Program Title	Program Description	Adverse Effects on the Natural Environment
Storm Sewer Flushing	Reactive flushing due to storm main obstructions.	Not anticipated
Oil/Grit Separator Inspections	Reactive and as needed. The Town has four stormceptors (Gilford Street, Preston Drive, York Street and Bythia Street). Inspections occur every ten years.	Not anticipated
Ditch Inlet Inspections	Every other month and following ‘Significant Rain Events’.	Not anticipated
Outfall Inspections	Every other month and following ‘Significant Rain Events’.	Not anticipated
SWM Pond Inspection	As needed and following ‘Significant Rain Events’.	Not anticipated
Spillway Inspections	Occurs three times per year.	Not anticipated
Catch Basin Cleaning	Clean the main trunk annually each spring. One zone per year on a rotational basis.	Not anticipated

Interpretation of Environmental Trends

This section summarizes the interpretation of environmental trends based on all monitoring information and data for the previous five (5) years. Please note that within 24 months of the publication of the Ministry's Monitoring Guidance document, the Town will establish a Monitoring Plan which will direct which environmental trends the Town will be monitoring. As such there are no Environmental Trends to report on for 2024 and **Table 2** has been intentionally left incomplete.

Table 2. Summary of Environmental Trends

Monitoring Data	Environmental Trend	Interpretation and Comments
N/A	N/A	N/A

Operating Problems and Corrective Actions

This section summarizes any operating problems encountered, and corrective actions taken. Operational problems are identified during routine monitoring.

Table 3 below provides a summary of operating problems requiring immediate corrective action to allow the system to function as designed. No operating problems were reported in the 2024 calendar year and as such Table 3 has been intentionally left blank.

Table 3. Summary of Operating Problems and Correction Actions

Operating Problem	Corrective Action	Date
N/A	N/A	N/A

Inspection, Maintenance and Repairs

This section includes a summary of all inspections, maintenance, and repairs carried out on any major structure, equipment, apparatus, mechanism, or item forming part of the Authorized System.

All maintenance was performed on behalf of the Owner, by trained staff or qualified contracted service providers who exercise due diligence in ensuring the works and the related equipment are properly operated and maintained to achieve compliance with the Approval. All recorded inspections are provided in **Appendix A**.

Calibration and Maintenance of Monitoring Equipment

This section includes a summary of the calibration and maintenance carried out on all monitoring equipment. Calibration and maintenance of monitoring equipment was not undertaken in 2024. As such **Table 4** has been intentionally left incomplete.

Table 4. Summary of Calibration and Maintenance of Monitoring Equipment

Monitoring Equipment	Calibration/Maintenance	Date
N/A	N/A	N/A

Complaints

This section summarizes any complaints related to the Sewage Works received during the reporting period and any steps taken to address the complaints.

Complaints related to the Sewage Works received during this reporting period were not recorded. As such, **Table 5** has been intentionally left blank.

During heavy rain events, there are typically calls that come into the Town from residents who have issues with stormwater flooding in their yards or basement flooding from drainage and sanitary connections. These issues are referred to the Town By-law department as the issues are related to private property drainage and not Town SWM infrastructure.

Table 5. Summary of Complaints

Complaint	Resolution	Date
N/A	N/A	N/A

Alterations to the Authorized System

This section summarizes 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.

Table 6 below summarizes the projects the alterations to the SWM system in 2024. There were no alterations to the stormwater management system in 2024 and as such **Table 6** has been intentionally left blank.

Table 6. Summary of Alterations to the Authorized System

Alteration to the Authorized System Project Name	Project Details	Does This Project Pose a Significant Drinking Water Threat (SDWT)?
N/A	N/A	N/A

Spills and Discharges

This section summarizes any spills or abnormal discharge events.

Table 7 below summarizes any spills or abnormal discharges that occurred in the SWM system during the reporting period. No spills or discharges were recorded during the reporting period and as such **Table 7** has been intentionally left blank.

Table 7. Summary of Spills and Discharges

Spill/Discharge Event	Details	Date
N/A	N/A	N/A

System Performance Improvements

This section includes a summary of actions taken, including timelines, to improve or correct performance of any aspect of the Authorized System.

Table 8 below summarizes the capital and operating projects that were incorporated during the reporting period that had an overall positive impact on system performance.

Table 8. Summary of System Performance Improvements

System Performance Improvement	Project Description	Timeline
Catch Basin and Manhole Rehabilitation Program	Improve, repair and rehabilitate manholes and catch basin structures and investigate stormwater infiltration techniques. Work is carried out by a qualified contractor.	Annual (on-going)
Street Sweeping Program	Occurs in late spring through the fall. Streets are swept by a street sweeper. Debris such as leaf litter, sand and waste are carried away. This prevents the buildup of material and obstruction to the stormwater system.	Annual (on-going)

In 2024 Matrix Solutions Incorporated (a Montrose Environmental Company) was retained by the Town to complete a Stormwater Management Facility Needs Assessment Report. This report will help the Town prioritize maintenance requirements for the SWM Facilities.

Previous Reporting Year Update

This section provides a summary of the status of actions for the previous reporting year. The 2023 Annual Performance Report for the Town of Orangeville’s SWM System is provided in **Appendix B**. No actions were identified in the 2023 reporting year and as such there are no status updates to provide.