



# **2024 Annual Performance Report Stormwater Management System**

January 1, 2024 to December 31, 2024

**Township of Wilmot – Infrastructure Services Department**

Last Revision: April 10, 2025

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## List Of Abbreviations

Abbreviation	Definition
CCTV	Closed-Circuit Television
CLI-ECA	Consolidated Linear Infrastructure Environmental Compliance Approval
MECP	Ministry of the Environment, Conservation and Parks
O&M	Operations and Maintenance
SWM	Stormwater Management

# 1 Purpose

As per the Township of Wilmot's Consolidated Linear Infrastructure Environmental Compliance Approval (CLI-ECA), the owner of the Stormwater Management System is required to complete an annual performance report. The purpose of this report is to provide the system owners, council members and users a summary of the performance of the stormwater management system in the Township of Wilmot. This report will create a formal record of the performance of the stormwater management system with respect to the system operation and any alterations. This report satisfies the reporting requirements required by Schedule E of the Township's CLI-ECA (#078-S701).

The information in this report will be essential to aid in planning of infrastructure maintenance and repairs with respect to the Stormwater management system.

This report will be submitted to the Director of the Ministry of the Environment, Conservation and Parks (MECP) by April 30th annually. It will also be made available to the public by June 1st annually by publishing the report on the Township of Wilmot website. Additionally, the report shall be made available by request and without charge to members of the public who are served by the system.

# 2 Scope

This annual report for the stormwater management (SWM) system includes information for the period of January 1, 2024, to December 31, 2024, for all stormwater management infrastructure located in the Township of Wilmot. This report does not include any infrastructure currently within unassumed development sites as these remain the responsibility of the developer to own and operate.

# 3 System Overview

The Township of Wilmot owns, maintains and operates the SWM system which consists of storm sewers, culverts, ditches, SWM facilities and outlets. The system is designed as a separate system for stormwater and does not convey sanitary or combined sewage.

SWM facilities are manmade infrastructure designed to protect downstream property from flooding and erosion by temporarily storing runoff and improving water quality by holding onto pollutant-laden sediment, preventing its release into the natural environment.

Stormwater management goals are:

- Maintain the natural hydrologic cycle
- Prevent an increased risk of flooding
- Prevent undesirable stream erosion
- Protect water quality

To remain effective, SWM facilities should undergo regular inspection, maintenance and monitoring so they continue to meet their water quality and quantity design objectives. Regular

inspection, maintenance, and monitoring of SWM facilities is also key to ensure that acceptable public safety standards are being met.

## 4 Inspections, Maintenance, Repairs and Improvements

The Township has created an operations and maintenance (O&M) manual which was finalized in January 2025. The Township of Wilmot's O&M manual was not completed or implemented during the 2024 calendar year. The O&M manual outlines procedures and schedules for inspections, maintenance and repairs. In 2024, inspections were completed as per the usual schedule, however, during the 2025 calendar year and each year going forward they will be executed as per the O&M manual.

To remain effective, stormwater management systems undergo regular inspection, maintenance and monitoring so they continue to meet their design objectives. Regular inspection, maintenance, and monitoring of stormwater systems is also key to ensure that acceptable public safety standards are being met.

### 4.1 Maintenance

The following maintenance activities were performed in the 2024 calendar year:

- Twice annual grass cutting around the SWM ponds to reduce the large amount of foliage in the area and facilitate proper access to the ponds.
- A vacuum truck was used to clean out the basin of the upright riser (asset id STP3358) on the north side of the Sugar Lane stormwater management pond (STWMF12)

### 4.2 Repairs

One repair was completed by Township staff on the following stormwater management infrastructure:

- An excavator was used to remove silted stones around the upright riser drains (asset ids STP3358 and STP1858) to allow water from the aft bays to drain properly in the Sugar Lane stormwater management pond (STWMF12) and the Forrest Glen Stormwater management pond (STWMF19). A combination of new stones and used stones with silt removed were utilized in the repair to allow for proper water flow and drainage to the outlet structure.

In the future, repairs will be completed on an as needed basis and in accordance with the O&M manual and the asset management plan.

### 4.3 Improvements

Improvements were made to the stormwater system through several Township projects. Capital projects are completed to improve the function and efficiency of the stormwater system including the reduction in spills/overflows for the system.

## 5 Monitoring Data and Environmental Trends

During the 2024 calendar year, no updates were made to the Township's monitoring system. The Township is awaiting the release of the MECP's monitoring guidance document to fully implement a monitoring plan. Updates to the monitoring system and procedures will be made accordingly as per the MECP guidance document when it is available.

As per the Township of Wilmot's CLI-ECA, a monitoring plan will be developed and implemented no later than October 31st, 2025, or within 6 months of the date of publication of the MECP monitoring guidance, whichever is later.

## 6 Operating Problems and Corrective Actions

The items in Table 1 present the operating problems identified during the 2024 calendar year.

**Table 1: Operating Problems and Corrective Actions**

Operating Problem	Corrective Action
High water level in the Sugar Lane stormwater management pond	Vacuum truck used to remove debris and sediment from the upright riser

Complaints are received on an ongoing basis and can be made through email, phone calls or in person. No complaints were received in 2024.

## 7 Spills and abnormal discharges

There were no spills or abnormal discharge events within the stormwater management system in 2024.

In the event of a spill, the information will be reported to the MECP Spills Action Centre upon discovery.

## 8 Alterations

There were no Notice of Modifications submitted to the MECP during the reporting period. Alterations made to the stormwater system during the 2024 calendar year are recorded in Table 2.

**Table 2: Stormwater Management System Projects in 2024**

Project	Project Stage	Sewage Works	Significant Drinking Water Threat?
<b>Brubacher Street</b>	Commenced in 2024	Linear Stormwater Infrastructure	No
<b>Wilmot Employment Lands</b>	Commenced in 2024	Linear Stormwater Infrastructure	No

## 9 Status of Actions from Previous Years

This is the first annual report for the Township of Wilmot's stormwater management system. There were no actions present from any previous years that would require recording and tracking at this time.