

July 2023 to June 2025 Annual Performance Report

Stormwater Management System (ECA
#335-S701)



Prepared by:



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1 INTRODUCTION

The 2024 Annual Report has been prepared in accordance with the terms and requirements set out in the Consolidated Linear Infrastructure Environmental Compliance Approval (CLI-ECA) 335-S701, issued to the Township of South-West Oxford on July 3, 2023, under the *Environmental Protection Act*, 1990. This Report covers the period of July 2023 to June 30, 2025.

The Township of South-West Oxford Stormwater Management Systems serving the Township of South-West Oxford's drainage area, is a separate system for Stormwater (i.e. designed not to transmit sanitary Sewage and/or Combined Sewage). The Municipal Stormwater Management System consists of Storm Sewers, culverts, ditches, Stormwater Management Facilities and outlets. The portion of the Township stormwater systems covered by the CLI ECA primarily exist in the small urban communities within the Township. This report does not include the maintenance activities for rural Municipal Drains constructed and maintained pursuant to the Drainage Act RSO1990.

This is the first Annual Report under the CLI-ECA. Accordingly, the Township is still developing the operational program and over the next two to three years this report will evolve, and more information will become available.

One noteworthy development for the Township Storm Water Program was the passing of the **Storm Water Utility By-Law** on May 20, 2025. **By-Law 41-2025** sets out a process for collecting dedicated finances for operation and maintenance of the storm water assets in the urban areas of the Township. The revenue for the utility will be collected on the tax bills starting July 2025.

2 MONITORING PROGRAMS

2.1 Summary and Interpretation of Monitoring Data and Overview of Operational Performance of the Authorized System.

For the specified period, the Township of South-West Oxford has no data to report regarding the municipal stormwater management system. The Township is in the process of developing an ongoing monitoring program for its stormwater facilities.

2.2 Adverse Effects on the Natural Environment

There were no reported adverse effects on the natural environment.

3 ENVIRONMENTAL TRENDS

3.1 Summary and Interpretation (5-year data)

According to recent climate data and regional environmental reports, the Township of South-West Oxford is experiencing significant environmental changes consistent with broader national and global climate trends. The area is seeing a gradual increase in average temperatures, along with shifts in seasonal weather patterns. These changes have led to more frequent and intense weather events, such as heavy rainfall, warmer winters, and stronger windstorms. These environmental trends are already having tangible impacts on local infrastructure, agriculture, and the overall quality of life within the community.

Table 1: 5-Year Precipitation History

Year	Total Precipitation (Tillsonburg)	Total Precipitation (London))
2020	890.4	949
2021	1004.1	1007.7
2022	731.6	649
2023	892.6	783.1
2024	856.1	1078

Figure 1: 10-Year Total Annual Precipitation

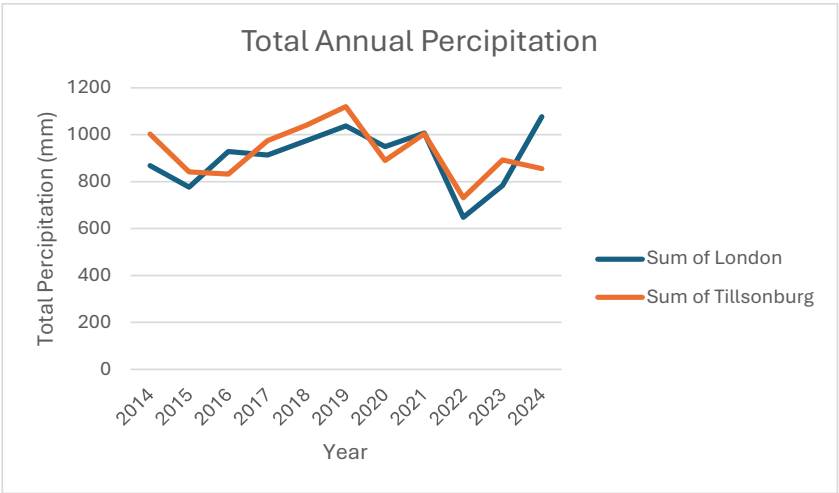
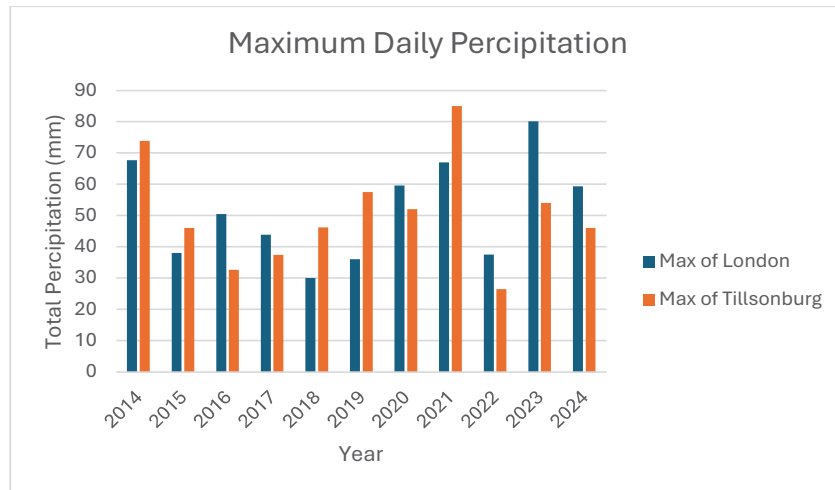


Figure 2: 10-Year Maximum Daily Precipitation



4 OPERATIONS

4.1 Operational Problems and Corrective Actions

During the reporting period, there were **no instances** of Operational Problems experienced in the Stormwater Management System.

4.2 Inspections, Maintenance and Repairs

The Township of South-West Oxford is currently in the process of developing their Stormwater Inspection, Maintenance and Repair program.

4.3 Calibration and Maintenance of Monitoring Equipment

The Township of South-West Oxford does not have any monitoring equipment that is utilized for the stormwater system.

5 COMPLAINTS

There were no stormwater specific complaints logged during this reporting period. A formal complaints system is being implemented for the next reporting period.

6 ALTERATIONS TO THE AUTHORIZED SYSTEM

There were two (2) alterations to the Authorized System during the period from July 2023 to June 30, 2025. Table 2 displays the different alterations made to the authorized system.

Table 2: Summary of Alterations to the Authorized System

Alteration Type	Number of Completed Alterations	Number of Alterations that Pose a Significant Drinking Water Threat
Pre-Authorized Storm Sewer, Ditch, or Culvert (SW1)	1	0
Pre-Authorized Stormwater Management Facility (SW2)	1	0
Pre-Authorized Third Pipe (SW3)	0	0
Previously Approved Works	0	0
Schedule C Works	0	0

7 STATUS OF ACTIONS FOR THE PREVIOUS REPORTING YEAR

As this is the first annual report for this system no actions have been carried forward from previous reports.

8 SPILLS AND ABNORMAL DISCHARGE EVENTS

There were **no** incidents of spills or abnormal discharge events that occurred in the Township of South-West Oxford Stormwater Management System in this reporting period.

9 ACTIONS TAKEN TO IMPROVE OR CORRECT PERFORMANCE

A summary of actions taken to improve the authorized system in the reporting period is provided in Table 3 below.

Table 3: Actions taken in July 2023- June 2025 to improve the Authorized System

Name	Performance Improvement Action
1) Enacting of By-law 41-2025 – Stormwater Management By-law	The bylaw aims to manage stormwater effectively and fund the operation, maintenance, and capital projects related to stormwater management.
2) The Graydon Storm Water Management Pond was surveyed and sediment tested in preparation for a future cleanout	This pond was constructed over 20 years ago and a cleanout is planned for later 2025 or 2026, before the new development happens around it.

10 PUBLIC AVAILABILITY

This document will be considered by Township Council and will be available digitally on the Township of South-West Oxford Website.

Encl – Complaint Form

**Township of South-West Oxford - Stormwater**

Title:	Stormwater Complaint Form	Revision #:	1
Document #:		Revision Date:	

1 COMPLAINANT INFORMATION

Name: _____

Address: _____

City/Town: _____ Postal Code: _____

Phone Number: _____ Email Address: _____

2 LOCATION OF CONCERN

Address or Closest Intersection: _____

Property Type: ☐ Residential ☐ Commercial ☐ Industrial ☐ Municipal Property ☐
Other: _____

3 NATURE OF CONCERN*(Check all that apply and provide details below)*

- ☐ Flooding (roadway, ditch, private property)
☐ Blocked or clogged storm drain
☐ Erosion or sediment runoff
☐ Odour or unusual discharge
☐ Pollution or contaminant in water (e.g. oil, chemicals)
☐ Damaged or missing infrastructure (catch basin, manhole, outfall)
☐ Illegal connection or discharge
☐ Construction site runoff
☐ Other: _____

Please describe the issue in detail:

(Include what occurred, when it started, frequency, visible impacts, etc.)

Date and time the issue was first noticed:

**Township of South-West Oxford - Stormwater**

Title:	Stormwater Complaint Form	Revision #:	1
Document #:		Revision Date:	

Has this issue occurred before?

☐ Yes ☐ No If yes, how often? _____

4 SUPPORTING MATERIALS

- **Do you have photos or videos of the concern?**

☐ Yes (Please attach or email to: [Stormwater@swox.org]) ☐ No

REVISION NUMBER	REVISION	DATE OF REVISION	REVISION COMPLETED BY:
1	Creation of document.	July 17, 2025	RW2