



**2025 Annual Performance Report -
Chatham-Kent Stormwater Management System**

**Reporting Period of January 1st – December 31st, 2025
Environmental Compliance Approval #306-S701**

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1. Overview

The Municipal Stormwater Management (SWM) System serving the Municipality of Chatham-Kent's drainage area is a dedicated system designed to manage stormwater runoff within the Thames River and Sydenham River watersheds, as well as smaller watersheds that drain directly into Lake St. Clair and Lake Erie. The system comprises storm sewers, open ditches, municipal drains, pumping stations, outlets, and stormwater management facilities (SWMFs).

This report has been prepared in fulfillment of the requirements of the Municipality of Chatham-Kent's Consolidated Linear Infrastructure Environmental Compliance Approval (CLI ECA) No. 306-S701 and is submitted as the annual performance report to the Ministry of the Environment, Conservation and Parks (MECP).

2. Summary and Interpretation of Monitoring Data, and Overview of the Condition and Operational Performance of the Authorized System

Summary and Interpretation of Monitoring Data

The Municipality has initiated a project to develop a Stormwater Quality Management System in accordance with MECP guidelines and industry best practices adopted by other municipalities.

Condition and Operational Performance of the Authorized System

The Stormwater Management Systems portfolio is comprised of storm sewers, culverts, ditches, outlets, and stormwater management facilities which includes stormwater management ponds, pumping stations, and manufactured treatment devices (MTD).

The overall condition of Chatham-Kent's Stormwater Management System can be described, at the end of 2025, as in "fair condition". This rating is a cumulation of the condition assessments performed on Chatham-Kent's Stormwater Collection System and Stormwater Management Facilities as shown in Table 1.

Table 1: Summary of Stormwater Management System

System	Condition
Storm Sewers Pipes	Fair
Stormwater Ponds	Fair
Pumping Stations	Poor
Oil and Grit Separators	Good

The overall performance and condition of the stormwater management system are documented in Chatham-Kent's Asset Management Plan and are based on the estimated average remaining service life.

3. Summary and Interpretation of Environmental Trends Over the Past Five Years

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For the specified period, there does not appear to be any clear environmental trends for any of the parameters analyzed at the monitored SWM facilities over the past five years.

4. Summary of Operating Problems Encountered and Corrective Actions Taken

In 2025, the Municipality of Chatham-Kent addressed 5 work orders related to operational issues. Table 2 outlines the specific operating problems, and the corrective actions taken.

Table 2: Operating Problems Addressed in 2025

Operating Problem	# of Workorders
SWM Facility High Water Level	4
Pumping Station Power Failure	1

5. Summary of Inspections, Maintenance and Repairs

Table 3 summarizes the inspection, maintenance and repair activities carried out within the Municipality of Chatham-Kent in 2025.

Table 3: Summary of Stormwater Management Inspections, Maintenance and Repairs

Program/Activity	# of Work Order/Works Completed
CCTV Sewer Inspections (m)	645
Storm Sewer Flushing (m)	390
Maintenance Hole Inspections	0
Stormwater Management Facility Inspections	28
Manufactured Treatment Device Inspections	4
Pump Station Inspections	24
Inlet/Outlet Inspections	6
Catch Basin Replacement	18
Maintenance Hole Repairs	12
Culvert Repairs	4
Catch Basin Repairs	283
Storm Sewer Repairs	103
Catch Basin Cleaning	130
Storm Sewer Blockage/Cleaning	40
Ditch Maintenance	1

In addition to the above works, weekly and monthly inspections are performed on pump stations.

6. Summary of Calibration and Maintenance on Monitoring Equipment

The Municipality of Chatham-Kent has no data to report regarding calibration and maintenance on monitoring equipment for the stormwater management system.

7. Summary of Complaints Related to Stormwater Works

The Municipality of Chatham-Kent receives stormwater related complaints from residents through municipal customer service channels, including phone, walk-in, and email inquiries. All complaints are reviewed by customer service representatives and forwarded to the appropriate municipal staff for review.

The public is encouraged to report any suspected operational issues through service requests submitted via CK 311. Municipal staff review all service requests and respond as appropriate. Common service requests related to stormwater management facilities typically involve elevated water levels following significant rainfall events. Service requests concerning catch basins most often relate to debris accumulation on grates or the flushing of catch basin leads.

Table 4: Summary of Public Complaints

Complaint Type	Number of Complaints/ Service Requests
Catch Basin Inquiry	194
SWM Facility Inquiry	2
Total SWM Complaints	196

8. Summary of Alterations to the Authorized System

This section summarizes all changes made to the Authorized System during this reporting period as shown in Table 5.

Table 5: Summary of Alterations

Alteration Type	Number of Alterations	Number of Alterations that Pose a Significant Drinking Water Threat
Pre-Authorized Storm Sewer, Ditch or Culvert	3	0
Pre-Authorized Stormwater Management Facility	1	0
Pre-Authorized Third Pipe	0	0
Previously Approved Works	0	0
Schedule C Works	0	0

Table 6: Significant Alterations

Name	Type of Work	Form
King Street West Sewer Separation Phase 1	Capital Works	SW1

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Cox Avenue and Faircourt Avenue Sewer Separation	Capital Works	SW1
Nazarene Subdivision Phase 1	Development Works	SW1
Nazarene Subdivision SWM Facility	Development Works	SW2

9. Summary of Spills or Abnormal Discharge Events

During the reporting period, there was 1 spill or abnormal discharge event reported within the Municipality of Chatham-Kent.

10. Summary of Actions Taken to Improve or Correct Performance of the Authorized System

Table 7: Summary of Actions Taken to Improve/Correct Performance of the Authorized System

Corrective Actions Taken and Proposed	Anticipate Completion	Project Status	System
Kelly Stormwater Pump Station Standby Power - Tilbury	2025	Complete	Stormwater Management Facilities
Azar Stormwater Pump Station Standby Power - Tilbury	2025	Complete	Stormwater Management Facilities
Storm Sewer Flushing and CCTV Program	Continuous	-	Storm Sewers
Omstead Pond Remediation	2026	Design	Stormwater Management Facilities
Erie Beach Outfall Improvements	2026	Design	Storm Sewers
Selkirk Street Storm Outlet – Sluice Gate Improvements - Wallaceburg	2026	Design	Storm Sewers

11. Summary of the Status of Actions for the Previous Reporting Year

Not applicable to the initial report.