

# Consolidated Linear Infrastructure Environmental Compliance Approval

Stormwater Management System

2023 to 2025

Performance Report



*Clarington*



**Report Date: April 2026**

**System Owner: The Corporation of the Municipality of Clarington**

**ECA Number: 326-S701**

**System Name: Municipality of Clarington Stormwater Management System**

Prepared by: Municipality of Clarington, Planning and Infrastructure Services  
Department

Submitted to: Ministry of the Environment, Conservation and Parks (MECP)

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## 2023 – 2025 Stormwater Performance Report

The Municipality of Clarington's stormwater management (SWM) system is operated in conformance with the Province of Ontario's Consolidated Linear Infrastructure Environmental Compliance Approval (CLI-ECA) program. In accordance with the CLI-ECA, the Municipality of Clarington, as the Owner of the municipal stormwater management system, shall prepare and submit a performance report to the Ministry of the Environment, Conservation and Parks (MECP) on an annual basis.

The CLI-ECA requires the Annual Performance Report to contain the following information:

1. 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.
2. Summary and interpretation of environmental trends based on all monitoring information and data for the previous five years.
3. Summary of any operating problems encountered, and corrective actions taken.
4. Summary of all inspections, maintenance, and repairs carried out on any major structure, equipment, apparatus, mechanism, or thing forming part of the Authorized System.
5. Summary of the calibration and maintenance carried out on all monitoring equipment.
6. Summary of any complaints related to the Sewage Works received during the reporting period and any steps taken to address the complaints. "Sewage Works" relates the municipal Stormwater Management System.
7. 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.
8. Summary of all spills or abnormal discharge events.
9. Summary of actions taken, including timelines, to improve or correct performance of any aspect of the Authorized System.
10. Summary of the status of actions for the previous reporting year.

## Introduction

The Municipality of Clarington's storm water management (SWM) system is municipal infrastructure designed to control stormwater runoff, minimize flooding and erosion and protect the natural environment.

The Municipal CLI-ECA was issued to the Municipality of Clarington on May 8, 2023. Annual performance monitoring is to be submitted by April 30<sup>th</sup> for the preceding calendar year. This report covers performance reporting from May 8, 2023, to December 31, 2025.

## Overview of SWM System:

The Municipal SWM System serving the Municipality of Clarington is a separate system for stormwater (i.e. designed not to convey sanitary sewage, combined sewage) spanning across several watersheds including Oshawa Creek, Harmony Creek, Farewell Creek, McLaughlin Bay, Robinson Creek, Burk, Tooley Creek, Black Creek, Bowmanville Creek, Osbourne, Darlington Creek, Westside Creek, Bennett Creek, Soper Creek, Rickard Creek, Wilmot Creek, Graham Creek, West Lake Ontario and Ganaraska River watersheds .

The Municipal SWM System consists of 58 SWM facilities, including:

- 29 wet ponds
- 16 dry ponds
- 13 oil girt separator (OGS) units

A total of 39 ponds are assumed by the Municipality. There are 6 transitional ponds that are owned by Developers and ownership has not been assumed by the Municipality. This report does not summarize performance data associated with unassumed SWM ponds.

The Clarington Asset Management Plan report dated 2025 assessed the average condition/state of the stormwater management assets category as very good.

### 1.0 Monitoring

The Ministry's monitoring plan guidance is still pending at the time of this report.

The monitoring plan is due within 24 months of the date of the publication of the Ministry's monitoring guidance.

The Municipality of Clarington will develop a work plan to implement a monitoring plan for the SWM system once the monitoring plan guidance is released by the MECP.

## 2.0 Monitoring and Interpretation of Environmental Trends

The Municipality of Clarington will develop a work plan to implement a monitoring plan for the SWM system when the monitoring plan guidance is released by the MECP.

Once the monitoring guidance has been released and the monitoring plan has been established, future reports will investigate the interpretation of environmental trends based on monitoring information and data from the monitoring plan.

## 3.0 Operating Problems and Corrective Actions

The table below is a summary of records relating to SWM pond operating problems and correction actions taken during the reporting period.

Location/SWMF	Operating Problem	Corrective Action
Robert Adams SWM 22	Clogged outlet	Outlet cleaned and pond levels returned to normal. Completed by Public Works October 2023

## 4.0 Inspections, Maintenance and Repairs

### 4.1 Inspections

The Public Works Department conducts routine physical inspections on the Municipal SWM ponds. There are 39 SWM ponds assumed by the Municipality. Between 2023 to 2025 the Public Works Department has completed 35 SWM pond inspections. There is a workplan to complete SWM pond inspections on all 39 ponds in 2026.

The Municipality's stormwater management pond inspection form is linked to the Citywide database program and inspection data is entered digitally with a tablet.

The stormwater management pond inspection involves a comprehensive visual and physical assessment of the SWM facility operation, inlets, forebay, pond main cells/basins, outlets and general site area (fencing, signage & gates). The inspection focuses stability of side slopes, lining condition, vegetation condition (including notes of invasive species such as phragmites), any animal evidence/present, signs of erosion, access road condition, sediment / debris accumulation, any blockages and environmental indicators such as odors, algae and any evidence of spills.

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The Municipality commissioned a SWM facility sediment survey study report dated May 2024 prepared by Waters Edge. The study completed survey on 9 SWM ponds (SWMF 8, 9, 10,13, 15, 16, 19, 23, 26A). Bathymetry survey was completed to calculate sediment volumes. Sediment samples were collected for laboratory analysis. The report made recommendations on a priority sequence for pond maintenance work planning and budgeting.

The Municipality commissioned OGS Inspection reports for all 13 OGS units prepared by Echelon Environmental in November 2024. The OGS inspection reports estimated sediment volumes and provided clean-out and maintenance recommendations.

## 4.2 Maintenance and Repairs

When there is maintenance issue or repair noted during an inspection; a work order is created to correct the issue in the Citywide database program.

SWM maintenance and repair work orders are completed by Public Works Department or by specialty Contractors retained by Public Works Department.

The tables below outline a summary of maintenance and repairs:

### 2023 Maintenance and Repairs

Location/SWMF	Works	Status
West Side SWM 27A	Inlet maintenance including debris/litter removal and concrete repair.	Inlet debris removal and minor repairs completed by Public Works September 2023

## 2024 Maintenance and Repairs

Location/SWMF	Works	Status
Automall SWM 1	Maintenance Hole (MH) Repair.	Completed by Contractor in 2024.
Galbraith SWM 25	Headwall fence repair, removal of garbage and debris. Gabion stone restoration.	Completed by Contractor in 2024.
Schickendanz SWF 31	Headwall sediment and vegetation removal, MH repair, spillway clearing and grubbing, rip rap spillway restoration. Wing wall and pipe repair.	Completed by Contractor in 2024.
Westside SWM 27	Headwall sediment and vegetation removal.	Completed by Contractor in 2024.
Whitecliffe SWM 29	Outlet grate salvage and re-installation. Debris removal.	Completed by Contractor in 2024.
Robert Adams SWM 22	Pathway washout and erosion.	Fill and stabilization completed during summer 2024.
Courtice Pond SWM 16	SWM Pond Signage.	New sign installed in 2024 by Public Works.

## 2025 Maintenance and Repairs

Location/SWMF	Works	Status
Automall SWM 1	Debris Removal	Completed by Public Works in 2025.
Eiram SWM 6	Inlet and outlet clean up. Repair to damaged inlet pipe and headwall. Shore up bank (slope stabilized).	Completed by Public Works in 2025.
Mallory Heights SWM 38	Debris Removal	Completed by Public Works in 2025.
Robert Adams SWM 22	Repair scour blocks on outlet.	Completed by Public Works in 2025.
West Side SWM 27	Removal of deceased raccoon.	Completed by Public Works in 2025.
Birchdale SWM 4	Clean up headwall	Completed by Public Works in 2025.
Several SWM Ponds	SWM Pond Signage	13 signs replaced in 2025 by Public Works.

The Municipal SWM System also consists of storm sewers systems associated with the SWM facilities. Inquiries, inspection, maintenance and repairs of the storm sewer system are completed on an as-needed basis by the Public Works Department.

Inquiries, service requests and work orders for maintenance relating to routine grass mowing, terrestrial vegetation and fencing / gates were not included in this report as they do not typically affect the hydraulic function of SWM facilities.

## 5.0 Calibration and Maintenance of Monitoring Equipment

The calibration and maintenance of any monitoring equipment will be studied in the monitoring plan. A summary of calibration and maintenance will be re-visited during future annual reporting years.

## 6.0 Summary of Inquires / Complaints

Inquiries and complaints related to the Municipal SWM Infrastructure are documented and addressed in Citywide database program.

Any complaints are promptly investigated and addressed by the Public Works Department. Complaints and corrective action are recorded in the Citywide program.

Some of the works noted in sections above were associated with an inquiry or complaint that were promptly resolved by the Public Works Department.

The Municipality has a website for Public safety and education relating to storm water management ponds – link below:

<https://www.clarington.net/planning-and-development/green-initiatives/stormwater-management-ponds/>

## 7.0 Alterations to the Authorized SWM System

The table below is a summary of completed alterations to the authorized SWM System:

Project Name	Works	Status
High Street & O'Dell Street Reconstruction	Install new storm sewer	Completed in 2024. SW1 form completed and filed.
George Street West and East Reconstruction	Install new storm sewer	Completed in 2026. SW1 form completed and filed.

The authorized alterations did not pose a Significant Drinking Water Threat.

Alterations to the authorized SWM system were recorded on Form SW1 and will be retained for a period of at least ten years by the Municipality.

CLI-ECA SW forms for on-going developments have been requested from Developers/Consultants, filed and will be processed once the SWM infrastructure is completed and inspected.

## 8.0 Summary of all Spills/Discharges

Any spills are reported to the MECP Spills Action Center. Actions and details regarding any spills are recorded in the Citywide database program.

There were two records of suspected spills during the reporting period:

- September 15, 2025 – Complaint received about a potential vehicle fluid leak in Bowmanville. Public Works Staff confirmed that there was a small transmission fluid leak, but it was contained. No threat to the stormwater or wastewater system was observed. Spill Action Center was notified about the potential spill and later updated that this small leak was contained.
- October 10, 2025 – Complaints received about chemical smells in basement drains in Bowmanville. Public Works Staff investigated and found hydrocarbon smell in the storm sewer catch basins. Public Works reported to Spills Action Center and dispatched environmental Contractor. The Contractor cleaned out the storm sewer system and catch basins on the same day. Spills Action Center was updated that the storm sewer clean out was completed.

There are no records of any abnormal discharge events during the reporting period.

## 9.0 Summary Actions and Improvements

The table below is a summary of actions and improvements to the SWM system:

Location/SWMF	Works	Status
Horban SWM 12	Sediment cleanout and SWMF Maintenance	RFQ in 2024. Completed by Contractor in 2024
OGS Units (1 – 13)	Clean out of all 13 OGS units	RFQ in 2025. Completed by Environmental Services Contractor in 2025.
Port of Newcastle SWM 9	Sediment cleanout and SWMF maintenance	RFQ in 2025. Completed by Contractor in 2025
Eiram SWM 6A & 6B	SWM Pond Cleanout and Retrofit Study Report prepared by CIMA	Study completed 2025. Works estimated for 2026.
Catch Basins (CB)	Clean out of approximately 1200 CB per year associated with storm sewer system.	~ 1200 CB cleaned out per year in 2023, 2024 & 2025.

## 10.0 Summary of Previous Years Actions

This is the initial performance report for the CLI-ECA program at the Municipality. Future reports will provide an update of previous year's actions.

## 11.0 Summary and Conclusion

This Performance Report summarizes the operation and maintenance of the Municipality of Clarington's stormwater management system for the May 2023 to December 31, 2025, reporting period under the Consolidated Linear Infrastructure Environmental Compliance Approval (CLI-ECA). The system was operated and maintained through inspections, maintenance activities, and corrective actions to address identified issues.