



2024

ANNUAL PERFORMANCE REPORT

ENVIRONMENTAL COMPLIANCE APPROVAL (# 337-S701)

WELLINGTON COUNTY STORMWATER MANAGEMENT SYSTEM
APRIL 2025

Table of Contents

1.0	INTRODUCTION	3
1.1.	SYSTEM DESCRIPTION	4
2.0	MONITORING DATA	4
3.0	ENVIRONMENTAL TRENDS	5
4.0	OPERATIONAL ISSUES AND CORRECTIVE ACTIONS	5
5.0	MAINTENANCE ACTIVITIES	5
5.1.	INSPECTIONS	5
5.2.	MAINTENANCE AND REPAIRS	6
6.0	CALIBRATION OF MONITORING EQUIPMENT	6
7.0	COMPLAINTS RELATED TO SEWAGE WORKS	6
8.0	ALTERATIONS TO THE AUTHORIZED SYSTEM	7
9.0	SPILLS OR ABNORMAL DISCHARGE EVENTS	8
10.0	SUMMARY OF ACTIONS	8
11.0	STATUS OF ACTIONS	8

1.0 INTRODUCTION

This annual performance report was prepared in accordance with Schedule E, Condition 5.2 of the Consolidated Linear Infrastructure Environmental Compliance Approval (CLI-ECA) Number 337-S701, issued April 20, 2023, by the Ministry of the Environment, Conservation and Parks (MECP) for the Wellington County Stormwater Management (SWM) System. It covers the entire calendar year of 2024.

Condition 5.2 of the CLI-ECA outlines the below requirements in the Annual Performance Report:

- 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 thing 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) Includes 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) Includes a summary of all spills or abnormal discharge events;
- i) Includes a summary of actions taken, including timelines, to improve or correct performance of any aspect of the Authorized System; and
- j) Includes a summary of the status of actions for the previous reporting year.

1.1. SYSTEM DESCRIPTION

The County of Wellington (The County) covers a large geographical area. As such, the roads and related assets, like the Municipal Stormwater Management (SWM) System are separated into 4 different areas to better assist with the maintenance of these assets. The Municipal SWM System serving the County of Wellington's drainage area is a separate system for stormwater (i.e. designed not to convey sanitary sewage, combined sewage) within the Great Lakes and the Lower Grand River, Upper Grand River, Maitland River, Credit River, Saugeen River watersheds. The SWM System consists of storm sewers, culverts, ditches, stormwater management facilities and outlets; however, does not currently have any Stormwater Management Ponds or LID Facilities. The County's SWM System connects to several member and surrounding municipalities.

2.0 MONITORING DATA

The County is currently awaiting the publication of the MECP Monitoring Guidance Document to develop and implement a Monitoring Plan according to Schedule E, Condition 4 of CLI-ECA No. 337-S701. Once the Monitoring Guidance Document is published by the MECP, The County is required to develop and implement a Monitoring Plan within 24 months of publication. Due to the Monitoring Plan not being implemented during the reporting period, the fulfillment of this section cannot be completed with a summary and interpretation of monitoring data.

However, Table 1 describes four programmes implemented in the reporting year to monitor the SWM System and provide details on the state of the infrastructure that comprise the system to help maintain functionality and aid decision-making of Capital works. The frequency of these events have been determined to understand and detect important changes in the network.

There are no reports of any Adverse Effects on the Natural Environment of the SWM System.

Programme Name	Asset Class	Programme Description	Frequency
Catch Basin Cleaning	Catch basins	A third party completes cleaning and inspections of all catch basins in the County.	Annually
Culvert OSIM Inspections	Culverts – width greater or equal to 3 metres	Inspected using Ontario Structure Inspection Manual (OSIM) inspections by a qualified consultant and rated BCI.	Biennially
Storm Sewer Condition Assessment	Storm sewer infrastructure	As outlined in our Asset Management Programme, storm sewer infrastructure is cleaned as needed and rated using NASSCO Pipe Rating System.	Quadrennially
Culvert Condition Assessments	Culverts – width less than 3 metres	Internal condition inspections and operation.	Quadrennially

Table 1: SWM System Programmes

Table 2 displays the overall condition of the infrastructure components of the SWM System using the Asset Management Database internal rating system (Very Good, Good, Fair, Poor and

Very Poor) determined in the Asset Management Programme. Each asset class has an overall average condition in the Very Good to Good range. For more information regarding the condition of the SWM System, please visit [Asset Management | Wellington County](#).

Asset Class	Overall Average Condition	Source
Storm sewer pipes	Good	2024 Asset Management Plan*
Storm structures, outlets and Oil/Grit Separators	Very Good	2024 Asset Management Plan*
Culverts – greater or equal to 3 metres in width	Good	2024 Asset Management Plan*
Culverts – less than 3 metres in width	Good	Internal inspections

*2024 Asset Management Plan contains the actual values as of December 31, 2023.

Table 2: Asset Condition Values

3.0 ENVIRONMENTAL TRENDS

There were no environmental trends based on the monitoring information described in Section 2 of this report. This section will be populated after the implementation of the Monitoring Plan as described in Schedule E, Condition 4 of CLI-ECA No. 337-S701.

4.0 OPERATIONAL ISSUES AND CORRECTIVE ACTIONS

There were no operating problems encountered during the reporting period throughout 2024 out of what is described in Section 7.

5.0 MAINTENANCE ACTIVITIES

This section aims to summarize all inspections, maintenance and repairs carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the Authorized System. Since the County does not require any equipment or apparatus for the system, this section will largely be concentrated on summarizing the inspection, maintenance and repairs on components of the County's SWM System.

5.1. INSPECTIONS

As mentioned in Section 2 of this report, there are four programmes in 2024 that inspect elements of the SWM System at varying frequencies; storm sewer pipes, catch basins and culverts. Table 3 displays the latest inspection instance along with the next inspection year.

Programme Name	Latest Inspection	Next Inspection Year
Storm Sewer Condition Assessment	2021	2025
Catch Basin Cleaning	Oct – Nov 2024	2025
Culvert OSIM Inspections	2023	2025
Culvert Condition Assessments	2023	2027

Table 3: SWM System Inspections

5.2. MAINTENANCE AND REPAIRS

The Catch Basin Cleaning programme described in Section 2 occurs every year and inspects all the catch basins owned by the County and serves as a maintenance activity by cleaning the catch basins during the inspections. The County Roads staff also assist in the ongoing maintenance and repairs of various elements of the system to ensure it remains in good working condition. Roads staff create work orders (WO) using the Computerized Maintenance Management Software (CMMS) under the Work Order Type, “Drainage & Structure Maintenance” when performing maintenance on the SWM System. Shown in Table 4 below is a summary of the number of WO Road staff created during the reporting period. A total of 183 work orders were created from January 1 to December 31 in 2024. Eight of those WO correspond to cleaning culverts, 53 were created for placing and replacing culverts, 77 are related to ditching activities, 9 are associated with manhole and catch basin repairs or cleaning and 36 work orders are related to other drain and structures.

WO Type Group	Number of WO
Culvert Cleaning	8
Culvert Place/Replace	53
Ditching	77
MH & CB Repair & Clean	9
Other Drain & Structures	36
Total	183

Table 4: Number of SWM System Related Work Orders

Supplementary maintenance was required to be completed throughout the year by a contractor to flush and vacuum the storm sewer to remove a blockage, as outlined in Table 5.

Date	Location	Description
March 13, 2024	Wellington Road 16	Winter - flush and vacuum storm sewer to remove blockage

Table 5: Additional Culvert and Catch Basing Cleaning

6.0 CALIBRATION OF MONITORING EQUIPMENT

The County of Wellington does not have any equipment to monitor the SWM System, therefore there are no calibration and maintenance records.

7.0 COMPLAINTS RELATED TO SEWAGE WORKS

Complaints related to sewage works are recorded in the County’s CMMS. They are assigned a service request number and sent to pertinent County staff for resolution. In total, there were 17 complaints received involving drainage issues of SWM System components; see Table 6. All complaints received were resolved within the reporting year except three that did not have resolve due to weather and other delays but will be completed in Spring 2025. In addition to the 18 complaints recorded in Table 6, nine other records were recorded in the CMMS regarding questions, inquiries unrelated to drainage, drainage issues outside the County’s

jurisdiction and private property. All nine calls regarding questions received a call back with the applicable information.

Service Request No.	Date	Description of Complaint	Action
SR-1407	Jan 29, 2024	Pooling water in ditch	Restrict flow from across the road during winter melt and ditched
SR-1696	April 18, 2024	Driveway washing out	Add material to shoulder
SR-1783	May 6, 2024	Culvert drainage problem	Ditching completed
SR-1854	May 21, 2024	Driveway washing out	Shoulder and driveway repaired
SR-1876	May 27, 2024	Culvert problem	Ditching completed
SR-1948	June 10, 2024	Ditch drainage problem	Ditching completed
SR-1969	June 13, 2024	Culvert drainage problem	Work being completed Spring 2025
SR-2000	June 20, 2024	Culvert problem	Replaced culvert
SR-2014	June 24, 2024	Drainage problem	Ditching completed
SR-2032	June 26, 2024	Culvert drainage problem	Ditching completed
SR-2110	July 16, 2024	Culvert drainage problem	Culvert cleaned
SR-2220	Aug 9, 2024	Driveway washing out	Driveway repaired
SR-2263	Aug 19, 2024	Drainage problem	Ditching completed
SR-2429	Sept 30, 2024	Ditch drainage problem	Culvert cleaned and ditching completed
SR-2430	Sept 30, 2024	Culvert drainage problem	Work being completed Spring 2025
SR-2595	Nov 1, 2024	Private catch basin	Ditching completed
SR-2686	Nov 19, 2024	Culvert drainage problem	Work being completed Spring 2025

Table 6: SWM System services request during the reporting period.

8.0 ALTERATIONS TO THE AUTHORIZED SYSTEM

There were three Alterations to the Authorized System commencing within the reporting period as shown in Table 7. Alterations were focused on improvements to storm sewer and culvert assets with the addition of one oil and grit separator (Stormwater Management Facility) and no alterations to Third Pipe Collection. None of the below projects pose a Significant Drinking Water Threat and no addition SWM components have been assumed by the County. Table 7 provides more information, including the name of the project with a brief description.

Project Name	Project Description	Significant Drinking Water Threat
Wellington Road 124 – City of Guelph boundary to Whitelaw Road	Reconstruction of Wellington Road 124 from the City of Guelph boundary to Whitelaw Road, resulting in the addition of an oil and grit separator (OGS) and new storm sewer infrastructure.	No
Wellington Road 7 at First Line Roundabout	Intersection improvements to Wellington Road 7 at First Line, requiring storm sewer infrastructure and a culvert replacement.	No
Garafraxa Street East (Wellington Road 19) – Victoria Terrace to Gzowski Street	Storm sewer replacement of similar size and location with minor modifications for improvements.	No

Table 7: Alterations that pose a Significant Drinking Water Threat

9.0 SPILLS OR ABNORMAL DISCHARGE EVENTS

There were no known spills or abnormal discharge events occurring in the reporting year.

10.0 SUMMARY OF ACTIONS

There were no additional actions taken outside of maintenance activities and alterations to the County's SWM System described in Sections 5 and 8.

11.0 STATUS OF ACTIONS

There were no actions required in the previous reporting year to provide a status update.