



Township of Wellington North

**Municipal Stormwater Management System
Annual Performance Report,
Calendar Year 2023**

April 30, 2024



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1.0 Introduction

On behalf of the Township of Wellington North (Township or Owner), Triton Engineering Services Limited (Triton) has prepared this Annual Performance Report (Performance Report) covering Calendar Year 2023 for the Township's Municipal Stormwater Management (SWM) System (SWM System or Authorized System), consistent with the requirements of Schedule E, Condition 5.2 of the Township's Consolidated Linear Infrastructure Environmental Compliance Approval (CLI ECA) No. 113-S701 Issue No. 2, dated July 21, 2023.

2.0 Background

An Operations and Maintenance (O&M) Manual, dated October 11, 2023, has been prepared for the Township's SWM System, in accordance with Schedule E, Condition 3.2 of the CLI ECA No. 113-S701, Issue No. 2. Consistent with Schedule E, Condition 1.4 of Schedule E of the CLI ECA for the Township's SWM System, the objective of the operation and maintenance of the SWM System is to ensure that it is "free of floating and settleable solids and does not contain oil or any other substance in amounts sufficient to create a visible film, sheen, foam or discoloration on the receiving waters and shall evaluate the need for maintenance if the objective is not being met".

The information, photographs, interpretations, maintenance records, etc. collected in accordance with the O&M Manual are to be compiled into the Performance Report for the SWM System and submitted to the MECP Director on or before April 30th of each year, covering the period from January 1st to December 31st of the preceding calendar year. Consistent with the CLI ECA for the Township's SWM System, each Performance Report shall contain, but not be limited to, the following:

- a) Summary of all monitoring data, as well as an interpretation of the data and overview of the condition and operational performance of the Authorized System and any adverse effects on the natural environment.
- b) Summary and interpretation of environmental trends based on all monitoring information and data for the previous five (5) years.
- c) Summary of any operating problems encountered, and corrective actions taken.
- d) 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) Summary of the calibration and maintenance carried out on all monitoring equipment.
- f) Summary of any complaints related to the SWM System received during the reporting period and steps taken to address the complaints.
- g) Summary of all alterations to the Authorized System within the reporting period that were authorized by the CLI ECA, including a list of alterations that pose a Significant Drinking Water Threat. Any drawings maintained for the SWM System must be updated to reflect alterations to the Authorized System within 12-months of them being placed into service.
- h) Summary of all spills or abnormal discharge events.

- i) Summary of actions taken, including timelines, to improve or correct performance of any aspect of the Authorized System.
- j) Summary of the status of actions for the previous reporting year.

The Performance Report is to be made available, on request and without charge, to the public who are served by the Authorized System and shall be published electronically to the Owner's internet website for free public viewing by June 1st of the same reporting year. Therefore, the Performance Reports for the SWM System can be viewed at the following locations:

- Electronic copy format at <http://www.wellington-north.com>

3.0 SWM System Description

The Township's SWM System includes three separate systems, as follows:

- Arthur SWM System
- Kenilworth SWM System
- Mount Forest SWM System.

Each of the three separate systems within the Township's SWM System is a separate system for stormwater (i.e., not designed to convey sanitary sewage or combined sewage) and consist of a combination of storm sewers, culverts, ditches/swales, SWM facilities and outlets (i.e., stormwater collection and SWM facilities). Details of the Township's SWM System are provided in Schedule B of CLI ECA No. 113-S701, Issue No. 2.

4.0 Summary and Interpretation of Monitoring Data

Given that the O&M Manual was finalized in the last quarter of Calendar Year 2023, the Township did not collect monitoring data for the SWM System during Calendar Year 2023. Collection of monitoring data will begin in Calendar Year 2024.

5.0 Summary and Interpretation of Environmental Trends

There has not been any monitoring data collected for the Township's SWM System to interpret environmental trends. It is anticipated that environmental trends can be interpreted after a period of 5 years of monitoring data collection, which will begin in Calendar Year 2024.

6.0 Summary of Operating Problems and Corrective Actions

There were no known operating problems encountered in regard to the Township's SWM System during Calendar Year 2023.

7.0 Summary of Inspection and Maintenance Activities

Similar to Section 4.0 of this Performance Report, inspection and maintenance activity requirements were finalized in the O&M Manual which was prepared in late 2023. Therefore, inspection and maintenance activities did not formally occur in 2023. Formal inspection and maintenance activities will begin in Calendar Year 2024.

8.0 Summary of Calibration and Maintenance on Monitoring Equipment

There is no monitoring equipment associated with the Township's SWM System, therefore, there are no calibration and/or maintenance activities on monitoring equipment to report for Calendar Year 2023.

9.0 Summary of Complaint Related to the SWM System

There were no known complaints received related to the Township's SWM System in Calendar Year 2023.

10.0 Summary of Alterations to the Authorized System

Alterations made to the authorized system in 2023 and/or corrections from the CLI-ECA 113-S701 Issue No. 2 are as follows:

Table B1, Infrastructure Maps to be updated and replaced with the following maps (included in Appendix A):

- Arthur Stormwater Management System – Infrastructure Map dated April 2024.
- Mount Forest Stormwater Management System – Infrastructure Map dated April 2024

Alterations authorized in 2023 under CLI ECA No. 113-S701 Issue No. 2 are summarized below and require revisions to Table B2, as follows:.

Update Table B2-Stormwater Collection System by Diameter - Arthur:

- Preston Street (Arthur) – Form SW1 (dated 2023-04-10)
 - Add 0.023 km up to 250
 - Add 0.235 km >250 – 500
 - Add 0.206 km >500-1050
 - Add One (1) 1800 x 1200 Box Culvert, 0.031 km long (>1050)

Table B2-Stormwater Collection System by Diameter – Mount Forest:

- Main Street and Mount Forest Drive (Mount Forest) – Form SW1 (dated 2023-07-01)
 - Add 0.135 km >250 – 500

The following alterations to the authorized system were completed in 2023 under CLI ECA No. 113-S701 Issue No. 2, and are being operated by the developer under the authority of an agreement entered into with the Owner of the system and should be added to Table B7, Developer-Operated Facilities:

- Forest View Estates Subdivision (Arthur) – Form SW1 (2023-10-20)
- Forest View Estates Subdivision (Arthur) – Form SW2 (2023-10-20)

The following Stormwater Management Facilities should be removed from Schedule B, 1.4, and moved to Table B8, Facilities with Individual ECAs:

- SWM06 – OGS to Broomer Crescent (Mount Forest) – Dry Pond – ECA 1851-AQ5Q34
- SWM07 – Jeffery Way & Durham St Subdivision (Mount Forest) – OGS – ECA 2899-BKH8Z
- SWM08 – OGS to Marlanna Homes (Mount Forest) – Dry Pond – ECA 3449-B3PL6Z
- OGS to Jack’s Way (Mount Forest) – Dry Pond - ECA 8701-C7AQ88

The following Stormwater Management Facilities were constructed and installed with an individual ECA and should be added to Table B8, Facilities with Individual ECAs:

- Cachet Developments ECA 9798-CGRHXJ

11.0 Summary of Spills or Abnormal Discharge Events

There were no known spills or abnormal discharge events related to the Township’s SWM System in Calendar Year 2023.

12.0 Summary of Performance Improvements or Corrections

Typical routine operation activities completed during the reporting period include grass cutting and vegetation and weed control.

Street sweeping was conducted as part of the Township’s typical maintenance schedule. In Calendar Year 2023, spring street sweeping started on April 4, 2023, for approximately 4 weeks to complete the sweeping in Arthur, Kenilworth and Mount Forest. Street sweeping following the spring snowmelt reduces pollutant loads and suspended solids accumulation within downstream receivers (i.e., ditches, storm sewers, and SWM facilities, etc.).

13.0 Summary of Status of Action Items from Previous Reporting Year

As Calendar Year 2023 is the first reporting period in terms of Annual Performance Reporting, this reporting requirement is not applicable.