



Annual Performance Report 2024

**Napanee Stormwater Management System
CLI-ECA Number: 157-S701**

Town of Greater Napanee

Prepared: January 2025

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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) 157-S701, issued to the Town of Greater Napanee on January 29, 2024 under the Environmental Protection Act, 1990. This report must be forwarded to the MECP no later than March 31st for the preceding year, and must be made available to the public no later than June 1st of the same year. This is the first annual report.

The municipal stormwater management (SWM) system serving the Town of Greater Napanee's drainage area is a separate system for stormwater (i.e. designed not to convey sanitary sewage or combined sewage) within the Quinte Conservation watershed. The SWM system includes storm sewer main, catch basins and maintenance access holes, stormwater management ponds, culverts, ditches, stormwater management facilities, and outlets.

This report is organized into sections to cover the following information: monitoring of SWM infrastructure, interpretation of environmental trends, operations of the SWM infrastructure and system, summary of complaints, summary of alterations, spills and abnormal discharges, actions to correct performance, additional notes, and making the information available to the public.

1.1 Facility and Systems Overview

The municipal stormwater management (SWM) system serving the Town of Greater Napanee's drainage area is a separate system for stormwater (i.e. designed not to convey sanitary sewage or combined sewage) is within the Quinte Conservation watershed.

The system includes 13.36 km of storm sewers, including two dry stormwater management ponds (Beverly Street and Cherrywood Parkway) and two wet stormwater management ponds (Strathcona Paper Centre and Millhouse Yards). The system also contains five (5) oil/grit separators.

There is a stormwater pumping station on Centre Street, in which Town stormwater is collected, however, this pumping station is under the jurisdiction of Lennox and Addington County, and as such is not required to be reported on, for the purposes of this report.

The Napanee Wastewater Collection System contains no known combined sewers.

The system is operated and maintained by the Town of Greater Napanee through the Growth and Infrastructure, Public Works team.

2. Monitoring Data and Environmental Trends

As per the CLI-ECA Schedule E, Section 4.0, a summary of all required monitoring data along with interpretation of the data and any conclusions drawn from the data about the need for future modifications to the Authorized System or system operations, is required, if applicable. This section of the CLI-ECA reporting requirements does not apply, as the Ministry's Monitoring Guidance has not yet been released.

As per the Operations and Maintenance Manuals for the Town's stormwater management facilities (ponds), Town staff commenced conducting monthly inspections of the stormwater ponds in October 2024. These inspections included checks for drainage, trash accumulation, safety concerns, and signs of erosion. Inspections are ensured via a Work Order System.

3. Operating Problems Encountered and Corrective Actions Taken

Operating problems encountered and applicable corrective actions taken for 2024 are shown in Table 1.

Table 1: 2024 Operating Problems and Corrective Actions Taken

Operating Problem	Corrective Action
Growth of noxious weeds at Cherrywood SWM pond	Pre-planned mowing and application of weed suppressant.

4. Calibration, Maintenance, and Repairs

The 2024 annual report does not include a summary of calibration and maintenance for the monitoring equipment. The Town of Greater Napanee currently does not have a monitoring plan or monitoring equipment in place. Once the monitoring guidance is released, a Monitoring Plan will be developed, and monitoring equipment will be identified, as required. Generally, calibration and maintenance will be undertaken in accordance with the manufacturers' recommendations.

A qualified engineering consultant was retained to develop Operations & Maintenance manuals for the four stormwater management facilities. The engineering company was also retained to perform the annual inspections on each of the facilities. The annual inspections were conducted in April 2024; nothing significant was observed. There was a recommendation for the Town to

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complete sediment surveys on the Best and Bash Arena (formerly Strathcona Paper Centre) wet pond and the Beverly Street dry pond due to the age of the ponds and lack of sediment information.

As per the Operations & Maintenance manuals, monthly inspections commenced in October 2024 and included looking for signs of erosion, proper function, safety concerns, and trash accumulation. Nothing significant was observed.

Routine maintenance including street sweeping and catch basin cleanouts were completed by Staff in 2024. Routine maintenance at the stormwater management facilities (ponds) including weed suppression, berm mowing, and trash removal was also completed in 2024.

A thorough review of the Town's five (5) oil & grit separators is expected to occur in the future. Once inspected, clean-outs will be completed, as required.

5. Complaints

Table 2. presents complaints received during 2024 that concerned the stormwater management system.

Table 2 2024 Collection System Complaints

Complaint	Number Received	Operating Problem	Corrective Action
Blocked storm drain	2	Drainage issue	Town staff are sent to evaluate and resolve the issue.
Minor drainage issues related to road side ditching and entrance culverts	26	Drainage issue	Town staff are sent to evaluate and resolve the issue.
Erosion surrounding drainage system	2	Safety concerns	Town staff to evaluate and resolve the issue.
Eroding culvert	1	Safety/drainage concerns	Town staff replaced the culvert.
Lack of security fencing at Millhouse Yards Wet Pond	1	During annual inspection, a nearby resident commented on local kids playing around the pond and on-ice in winter, stating request for safety security fencing.	Warning signs have been since posted, advising residents that the pond is not for recreational use.

6. Alterations to the Authorized System

There were no alterations to the Authorized System in 2024. The Town formally assumed West Bridge Estates Phase 7 (Cherrywood Parkway) in October 2024. This was already formally included in the CLI-ECA application.

There were no alterations that pose a Significant Drinking Water Threat.

7. Spills or Abnormal Discharge Events

Table 3. below provides details on all reported spills that may have impacted the stormwater management system in 2024.

Table 3: 2024 Spills

Date	Location	Details
2024.07.24	Centre St N and Mill Street	Approximately <6 Litres of coolant was released into the catch basin due to car accident. Two (2) downstream storm catch basins were impacted and cleaned out using a vacuum truck. No impact to Napanee River.

8. Stormwater Management System Improvement Efforts

The Town of Greater Napanee is undertaking initiatives to improve the planning, operation, and maintenance of the stormwater system. The key initiatives include:

- Continued scheduled catch basin cleanouts.
- Continued routine inspections and maintenance of stormwater management facilities by Town staff.
- Continued annual inspections of stormwater management ponds by third party engineering firm.
- Sediment surveys/cleanouts of existing stormwater management ponds as recommended by third party engineering firm. Sediment surveys for Beverly Street Dry Pond and Strathcona Paper Centre Wet Pond is expected to be completed in 2025.
- Sewer replacements as required and as approved by Capital budgets.
- Culvert replacements and ditching activities, as required.
- Warning signs were installed at each of the Town's stormwater management ponds, indicating that they are not for recreational use.

9. Summary of the Status of Actions from the Previous Reporting Year

This is the first report being submitted under the applicable CLI-ECA. There are no actions to report on for the previous reporting year.