



Municipality of Mississippi Mills

Stormwater Collection System Annual Performance Report

ECA # 178-S701

Roads and Public Works
Reporting Year: 2025

Revision: 0

Revision History

Revision Number	Date Issued	Description
0	April 30, 2026	Issued to MECP

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1. Compliance Overview

Compliance Event	# of Events
Ministry of the Environment Inspections	0
Ministry of Labour Inspections	0
Reportable Bypass/Overflows	0
Reportable Spills	0
Operating Issues	0
Customer Complaints	2

2. System Process/Description

The Municipal Stormwater Management (SWM) system serving the Municipality of Mississippi Mills drainage area, is a separate system for stormwater (i.e., designed to not convey sanitary sewage, combined sewage) within the following watersheds: Waba Creek, Lake Madawaska – Madawaska River, Cartwrights Creek – Mississippi River, Indian Creek, and Carlton Place Dam – Mississippi River. The Municipality's Roads and Public Works department is the Operating Authority (OA) for the system.

The Mississippi Mills SWM system comprises of approximately 43 km of stormwater pipe, 10 km of open channels, and several stormwater management facilities and outlets. The system covers areas in Almonte, Clayton, Pakenham, Blakeney, and Appleton. The SWM system is approved through a Consolidated Linear Infrastructure Environmental Compliance Approval (ECA) – number 178-S701 - from the Ministry of Environment, Conservation, and Parks under the Ontario Environmental Protection Act.

2.1 System Alterations

Table 2-1 below summarizes the system alterations which were authorized in 2025.

The Mississippi Mills Significant Drinking Water Threats document was reviewed in 2025 for completeness and accuracy.

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Table 2-1: Summary of System Alterations

Alteration Type	Project	Date Authorized	Project Status	Part V Verification Completed ¹	Significant Drinking Water Threat ²
SW1 – Alteration for Storm Sewers / Ditches / Culverts	White Tail Ridge Development – Stormwater pipe extension and new ditch outlet (Developer Initiated)	April 16, 2024	Authorized - Construction not complete	No	No
SW1 – Alteration for Storm Sewers / Ditches / Culverts	Weavers Way Subdivision Phase 1 - Stormwater collection	January 14, 2025	Alteration completed in 2025	No – in progress	No
SW2 – Alteration for Stormwater Management Facility	Weavers Way Subdivision - Stormwater Management Facility	January 14, 2025	Alteration completed in 2025	No – in progress	No
SW1 – Alteration for Storm Sewers / Ditches / Culverts	Reconstruction of Union Street North infrastructure (Municipally initiated)	March 12, 2024	Alteration completed in 2024	No – in progress	No
SW1 – Alteration for Storm Sewers / Ditches / Culverts	Reconstruction of Mercer and Marshall Streets Stormwater sewer infrastructure.	May 13, 2024	Alteration completed in 2024	No – in progress	No

¹ Should Part V verification not be completed in the year in which it was authorized, it will be provided in the annual report in which it is completed.

² All alterations are screened using the *Mississippi Mills Significant Drinking Water Threat Assessment (2025)* document.

3. Monitoring

The ECA for the SWM system requires monitoring as outlined in Schedule E, Section 4.0. The Municipality will comply with the requirement to develop a Monitoring Plan in accordance with the ECA terms and conditions and the MECP's guidance document. At the time of this report, the MECP has not yet published the stormwater guidance document, therefore a monitoring plan has not been developed at this time.

In accordance with Section 4.1, the Municipality will develop a monitoring plan on or before August 14, 2024 (the date of which has passed), or within twenty-four months of the date of the publication of the Ministry's guidance document. The monitoring plan when developed will include a summary of all monitoring data along with interpretation of such data. A summary and interpretation of environmental trends based on the monitoring data will be included when the plan has been developed.

4. System Maintenance & QA/QC

In 2025, the Roads and Public Works department undertook the following tasks as part of routine operation and system maintenance:

- Catch basin inspections
- Wet/Dry pond visual inspections
- Annual catch basin cleaning program
- Manhole and catch basin adjustments
- Pipe outlet / ditch inlet visual inspections
- Stormwater sewer CCTV and cleaning program
- Installation of signage at all SWM facilities

The Municipality has no devices that require calibration as part of the SWM system.

In 2023 the Municipality developed a program which was approved by Council to undertake systematic inspections (CCTV) and cleaning of all stormwater sewers over a four year period beginning in 2024. This program will be in addition to the already implemented annual catch basin cleaning program which involves the cleaning of all catch basins in the system annually.

The 2025 program included flushing and CCTV inspection of all storm sewers in Quadrant of the system (areas south of Almonte Street and west of the Mississippi River). Some deficiencies were noted in the inspection process and will be addressed on a priority basis.

4.1 Reconstruction Projects

In 2025 there were no major infrastructure reconstruction projects undertaken by the municipality.

5. Complaint Management

In 2025 there were two service requests created regarding the Stormwater collection system. Service requests are tracked using PSDCitywide which allows for work orders to be created and tracked.

- One concern related to asphalt failure around a catch-basin. Staff repaired the area.
- One concern was received regarding vegetation surrounding a stormwater management pond, specifically bittersweet nightshade and it's health impacts to people and animals that may eat the fruit from the plant.

6. System Performance

Overall, the SWM system performs as designed. Extreme precipitation events over a short duration may have a perception of inadequate system performance, however in such instances additional time is required to transmit and manage stormwater effectively.

In 2025 there were no reportable overflows, spills, or abnormal discharge events.