

Minden Hills Stormwater Management System

Annual Stormwater Performance Report

Prepared For: The Township of Minden Hills

Reporting Period of January 1st – December 31st, 2025

Issued: April 29, 2026

Operating Authority:



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2025 Performance Report for the Minden Hills Stormwater Management System

Reporting Requirements

The Minden Hills Stormwater Management System, unless noted within this report, complies with all requirements of the regulating authorities and operates under:

- Consolidated Linear Infrastructure (CLI) Environmental Compliance Approval (ECA) No. 246-S701 issued August 1, 2025.

In 2025, the Minden Hills Stormwater Management System operated under by CLI ECA No. 246-S701. Condition 5.2 of this ECA states, *"The Owner shall prepare an annual performance report for that authorized system that:*

Is submitted to the Director on or before April 30th of each year and cover the period from January 1st to December 31st of the preceding calendar year.

- a) *For clarity, the first report shall cover the period of January 1, 2025 to December 31st, 2025 and be submitted to the Director on or before April 30th, 2026.*
- 5.2.2 *Include 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;*
- 5.2.3 *Includes a summary and interpretation of environmental trends based on all monitoring information and data for the previous five (5) years;*
- 5.2.4 *Includes a summary of any operating problems encountered and corrective actions taken;*
- 5.2.5 *Includes 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;*
- 5.2.6 *Includes a summary of the calibration and maintenance carried out on all monitoring equipment;*
- 5.2.7 *Includes a summary of any complaints related to the Sewage Works received during the reporting period and any steps taken to address the complaints;*
- 5.2.8 *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;*
- 5.2.9 *Includes a summary of all spills or abnormal discharge events;*
- 5.2.10 *Includes a summary of actions taken, including timelines, to improve or correct performance of any aspect of the Authorized System; and*
- 5.2.11 *Includes a summary of the status of actions for the previous reporting year.*

Overview

The Minden Hills Stormwater Management System serving the Township of Minden Hills drainage area, is a separate system for Stormwater (i.e. designed not to transmit sanitary Sewage and/or Combined Sewage) within the Coboconk Dam-Gull River watershed(s). The Municipal Stormwater Management System consists of Storm Sewers, culverts, ditches, Stormwater Management Facilities and outlets. The Municipal Stormwater Management System discharges to the Gull River.

Summary & Interpretation of Monitoring Data

5.2.2 Environmental Compliance Approval (ECA) No. 246-S701 requires 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;

As per Schedule E, Section 4.0 of the CLI ECA 246-S701, the design and implementation of the Monitoring Plan for the Township of Minden Hill's Stormwater Management System is a pending requirement. The Monitoring Plan is pending for the publication of the Ministry's monitoring guidance. At the time of the publication of this performance report, there is no required water quality monitoring data for the Township of Minden Hills.

Summary & Interpretation of Environmental Trends

5.2.3 Environmental Compliance Approval (ECA) No. 246-S701 requires a summary and interpretation of environmental trends based on all monitoring information and data for the previous five (5) years;

After the implementation of the Monitoring Plan for the Township of Minden Hills, the summary and interpretation of environmental trends will be required and included in this performance report. At the time of the publication of this performance report, there is no water quality results to analyze.

Operational Challenges

5.2.4 Environmental Compliance Approval (ECA) No. 5475-BPYLDH requires a summary of any operating problems encountered and corrective actions taken;

Most of the Township of Minden Hills Stormwater Management System is natural processes such as gravity and sedimentation. The following details describe all operating problems encountered during the reporting period and the corrective actions taken.

Table 1: Summary of Operating Issues		
Date	Challenges	Corrective Actions
Dec 29, 2024 – Jan 2, 2025	Heavy rain event	Heavy rain events caused localized catch basin flooding; the system was monitored. Note: The stormwater management system outlets discharge to the Gull River. When the Gull River levels are high, this causes flooding in those area. Areas most impacted include: St. Germaine Street and Water Street.
Mar 16 –Apr 24, 2025	Heavy rain and snow melt event	

Inspection, Maintenance and Repairs

5.2.5 Environmental Compliance Approval (ECA) No. 246-S701 requires 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;

The below list of maintenance/repairs were completed on existing infrastructure:

- Ditching was completed on Anson Street and McKnight Drive which identified some culverts that require regrading or replacement;
- Ditching was completed on Lyons Street and at the intersection of St. Germaine Street and Prince Street;
- Culvert was replaced on St. Germaine Street.

Calibration and Maintenance of Monitoring Equipment

5.2.6 Environmental Compliance Approval (ECA) No. 246-S701 requires a summary of the calibration and maintenance carried out on all monitoring equipment;

As mentioned previously in this report, at this time there is no analytical or water quality monitoring data.

Community Complaints

5.2.7 Environmental Compliance Approval (ECA) No. 246-S701 requires a summary of any complaints related to the Sewage Works received during the reporting period and any steps taken to address the complaints;

Complaints related to the Minden Hills Stormwater Management System and steps taken to address the complaints from 2025 are included in Table 2: Summary of Community Complaints.

Table 2: Complaints Received Summary for 2025		
Date	Issue	Corrective Actions Taken
No Complaints received for 2025.		

Alterations to the Authorized System

5.2.8 Environmental Compliance Approval (ECA) No. 246-S701 requires 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;

Please see Inspection, Maintenance and Repairs Section for details on alterations from Maintenance and Repairs completed. No new alterations occurred in the Authorized System within the reporting period.

Spills or Abnormal Discharges

5.2.9 Environmental Compliance Approval (ECA) No. 246-S701 requires a summary of all spills or abnormal discharge events;

There were no spills or abnormal discharge events during the reporting period.

System Performance Improvements

5.2.10 Environmental Compliance Approval (ECA) No. 246-S701 requires a summary of actions taken, including timelines, to improve or correct performance of any aspect of the Authorized System; and

Please see the Inspection, Maintenance and Repairs Section for details on alterations from Maintenance and Repairs completed during the reporting period. The maintenance was completed to fix some of the known issues such as ponding.

In 2025, a Storm Sewer Catchment Asset Inventory was completed by Engage Engineering Ltd.

Previous Reporting Year Update

5.2.11 Environmental Compliance Approval (ECA) No. 246-S701 requires a summary of the status of actions for the previous reporting year

This is the first performance report for the Minden Hills Stormwater Management Systems, there were no actions noted for 2024. This section will be utilized as more data becomes available.