



2023

# Stormwater Annual Report

Town of St. Marys Stormwater Collection System

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## 1.0 Introduction



On February 2, 2023, the Town of St. Marys received its first municipal stormwater Consolidated Linear Infrastructure Environmental Compliance Approval (CLI ECA No. 056-S701). The new CLI ECA replaced the previous ECAs that the Ministry of Environment, Conservation and Parks (MECP) would issue for specific projects within the municipal stormwater collection system.

CLI ECAs are a single approval for all stormwater management systems and include conditions to authorize municipalities and prescribed persons, such as developers, to make changes to the stormwater management system when the specific requirements of the CLI ECA are met.

The Town's Stormwater Management System (SWM) is owned and operated by the Town of St. Marys. In accordance with the CLI-ECA (056-S701), Schedule E, Section 5.2, the Town, as the Owner of the Municipal Stormwater Management system is required to provide an annual report that covers the period from January 1<sup>st</sup> to December 31<sup>st</sup> for each year, and is required to submit the report to the MECP before April 30<sup>th</sup> of the following year. The annual SWM Report is also posted on the Town's official website ([www.townofstmarys.com](http://www.townofstmarys.com)).

The Town of St. Marys stormwater management system is made up of many components and generally consists of the following:



## 2.0 Report Requirements

### 2.1 Monitoring Data

This Section provides 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. In accordance with the Town's CLI ECA, Schedule E, Section 4.0, the Town is required to implement a "Monitoring Plan" on or before July 25, 2024 or within twenty-four (24) months of the date of publication of the Ministry's monitoring guidance, whichever is later. At the time of this report, the MECP has yet to publish the guidance document. The Town's Monitoring Plan will be developed once the MECP guidance document becomes available.

There was no monitoring data available for the reporting period and no known adverse effects on the natural environment.

### 2.2 Environmental Trending

This Section provides an interpretation of environmental trends based on all monitoring information and data for the previous five (5) years.

There is no environmental trends related to the Authorized System for this reporting period. Environmental trending will be developed as the Town's monitoring program and data trending progress.

### 2.3 Operational Challenges and Corrective Action

This Section provides a summary of any operating problems encountered and corrective actions taken within the reporting period.

An inspection of the Grand Trunk Countryside Estates OGS to SWM Wet Pond identified operational challenges related to the CSP outfall and subsequent erosion concerns. Efforts were made by the Public Works Department to rectify the matter. Please refer to Section 2.4 herein for specific maintenance and repair efforts completed to return normal function and capacity to the outlet feature of the pond.

Operational challenges were encountered with the Waghorn Municipal Drain on Huron Street North at the intersection of Widder Street East in St. Marys periodically through the reporting period. Debris from storm events would collect within the drain channel and under road culverts that can lead to flow restrictions. Public Works staff monitor this section of the municipal drain on a periodic basis and will remove debris build up within the channel path or culverts as required.

### 2.4 Inspections, Maintenance and Repairs

This Section provides 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 for the reporting period.

The Town completes a series of active and passive inspections of the stormwater management system that help to ensure system functionality, and that necessary maintenance items and subsequent repairs can be completed in a timely manner.

The following provides a summary of efforts undertaken for the reporting period.

#### **Stormwater Sewer Flushing and Inspection**

Approximately 600 metres of storm sewer piping was cleaned via flushing and camera inspected on Wellington Street South and Victoria Street to support asset management practices and future system improvements.

### **Pond Maintenance – Thamesview Crescent SWM Dry Pond**

General pond maintenance was completed within the reporting period that consisted of side wall erosion repairs, general vegetation growth removal efforts and general pond clean out.

### **Pond Maintenance – Grand Trunk Countryside Estates OGS to SWM Wet Pond**

A sink hole was identified around the CSP outlet of the wet pond during the reporting period. Efforts were undertaken to repair the sink hole, and the CSP as well as general ditching around the outlet channel.

### **Pond Maintenance – Parkhaven SWM Dry Pond**

Passive inspections identified various vegetation growth within the facility. General vegetation removal efforts were undertaken within the Dry Pond during this reporting period.

### **Catch Basin Cleaning**

All catch basins within the stormwater collection system are cleaned as part of an annual maintenance program. This work is completed by an external hydrovac company each fall to ensure catch basins, and associated sump pits are free and clear of obstructions . Catch basin cleaning was completed in November.

## 2.5 Calibration and Maintenance of Equipment

This Section includes a summary of any calibrations and maintenance carried out on monitoring equipment for the reporting period.

There were no equipment or monitoring device calibrations completed during the reporting period.

## 2.6 Complaints

This Section provides a summary of complaints received during the reporting period as well as steps taken to address those complaints.

The Town receives various complaints related to stormwater flow, ponding, etc. throughout the year. Many of these complaints are in relation to private property and / or property standards issues. For the purposes of this report, only those complaints related to the Municipal stormwater management system conveyance pipes, ponds, ditches and / or swales are noted below.

On July 6, 2023 the Town received an inquiry into the James Street South Drainage works, and the functional capacity of the westerly branch diversion weir as a result of significant precipitation in the days prior and subsequent downstream flooding of Birches Creek. The Town was able to review the function of the weir and its operational capacity and provided a response to the inquiry on July 10<sup>th</sup>, 2023. The operational capacity of the weir, and Town response was deemed sufficient and no further action was required. Maintenance activities were undertaken in November 2022 related to the diversion weir as part of ongoing preventative maintenance efforts.

## 2.7 Alterations to the Authorized System

This Section provides 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.

There were no alterations to the authorized system during the reporting period.

## 2.8 Spills

This Section provides a summary of all spills or abnormal discharge events during the reporting period.

There were no known spills or abnormal discharges for the reporting period.

## 2.9 Performance Improvements

This Section includes a summary of actions taken, including timelines, to improve or correct performance of any aspect of the Authorized System.

There were no performance improvements to the authorized system during the reporting period.

## 2.10 Status of Action Items

This Section provides a status of action items from the previous reporting period.

There are no action items from the previous reporting period.

 The logo for the Town of St. Marys, Ontario, Canada. It features a stylized church tower with a red roof and a blue flag, set against a blue background with a white outline. Below the graphic, the text "ONTARIO CANADA" is written in a small font, and "ST. MARYS" is written in a larger, bold font.	Prepared By	Reviewed By
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