



STORMWATER MANAGEMENT ANNUAL REPORT 2023

Town of Carleton Place

175 Bridge Street

Carleton Place, ON K7C 2V8

Website: www.carletonplace.ca



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INTRODUCTION

On June 9th, 2022, the Town of Carleton Place received its first municipal Stormwater Consolidated Linear Infrastructure Compliance Approval (CLI ECA) and was the first municipality in the province to do so. The new CLI ECAs replace the previous Environmental Compliance Approvals (ECAs) that the Ministry of the Environment, Conservation and Parks would issue for specific projects within stormwater collection systems.

CLI ECAs are issued under the:

- [Environmental Protection Act](#) (EPA)
- [Ontario Water Resources Act](#) (OWRA)

[Prescribed persons](#) are defined under [Ontario Regulation 208/19, Environmental Compliance Approval in Respect of Sewage Works](#). They are identified as having an agreement with a municipality under the [Planning Act](#) or the [Development Charges Act](#).

These 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.

As part of the Town of Carleton Place's CLI ECA for stormwater management, the municipality is required to provide an annual report. This report covers the period from January 1st, 2023 to December 31st, 2023 and is required to be submitted to the Ministry before April 30th and posted on the Town's website.

The Carleton Place stormwater management system consists of approximately 67km of underground piping ranging in diameter from 200mm to 1050mm. Our system also consists of the following:

- 10 wet stormwater management ponds;
- 1 dry pond;
- 1 super pipe / storage facility; and
- 4 Oil Grit Separators

It is fundamentally necessary for the Town of Carleton Place to invest, maintain, and improve its storm water management facilities where possible as eventually the water from these facilities could impact the Mississippi River and wetlands. Protecting wetlands and the Mississippi River is vital for not only our current residents but for future generations.

REPORT REQUIREMENTS

Monitoring Data Summary & Trends

The Stormwater CLI ECA Section 4.0 requires the Town to implement a Monitoring Plan in accordance with the Ministry of Environment Conservation and Parks (MECP) guidance document within 24 months of when the MECP releases the guidance document. To date the MECP has yet to publish the guidance document.

Operational Challenges

Occasionally, storm ponds require sediment that has accumulated over many years to be removed from ponds in order for them to function as designed. Historically municipalities were able to remove this material from site and have it disposed. Now under the MECP's Excess Soils Regulation (O. Reg. 406/19), municipalities have special oversight by qualified personnel, sampling, handling, and disposal requirements for material being removed from storm ponds unless the material is kept on site. These additional measures come with substantial costs. Staff will be developing a plan and a schedule to clean out its ponds and to plan for these cleanouts during the Town's annual budget process.

Inspection Results & Maintenance

Town staff conducted inspections on municipal storm ponds and oil grit separators in September and October of 2023. The following items were noted:

- Sussex Street Retention Pond - The pond was last cleaned out in 2022; the pond is inspected on a regular basis to remove any debris from the screens.
- Carambeck Storm Sewer Catchment, Dog Park, and Public Works Yard Catchment Dry Pond - The construction of the berms is ongoing at the Public Works snow storage facility.
- Hooper SWM Wet Pond - Staff removed trash from the site.
- 7 Beckwith Street SW Storage - Staff noted brushing activities are required and an additional screen needs to be supplied for the inlet.
- Stonewater Bay SWM Wet Pond - The pond tends to accumulate algae due to stagnant water. Currently there is a bubbler system in place during the summer months to reduce the likelihood of algae growth. Staff would like to investigate alternative aeration options. Minor brushing was also required.

- Westview Heights SWM Wet Pond - Staff removed trash and a small amount of brush from the site.
- Oil Grit Separators - The Town has multiple oil grit separators which were inspected in 2023 and were cleaned out as required with the use of a vac truck. Oil grit separators are located in the following locations:
 - Joseph Street
 - Stonewater Bay
 - Frank Street
 - Bridge Street

The following stormwater management facilities have not been officially transferred to the Town and remain the responsibility of the respective developers:

- Highgate SWM Wet Pond
- Lavalee Creek Stormwater Management (SWM) Wet Pond
- Jackson Ridge SWM Wet Pond
- Coleman Central SWM Wet Pond
- Miller's Crossing SWM Wet Pond
- Mississippi Shores SWM Wet Pond

The Engineering Department undertakes routine inspections when on site and reports any issues to the respective developer for remediation.

Alterations to the Stormwater Management System

Currently there are no planned alterations to the Stormwater Management System that pose a significant drinking water threat.

Spills / Discharge Events

There were two (2) reported spills in 2023.

- The first spill occurred on May 30, 2023 on Patterson Crescent. A call was received at the Public Works Office, informing staff that a resident witnessed another resident dumping motor oil into a stormwater catch basin. Staff investigated the issue and determined there was oil in the catch basin and a report was made to the Ontario Provincial Police. The spill was contained to the catch basin. The resident was held financially responsible for the cost of the cleanup and staff supervised the removal of the oil from the catch basin.

- The second spill occurred on Mill Street on July 19, 2023 when 150 liters of non-PCB transformer oil leaked onto the asphalt from a pole top transformer. Hydro One confirmed no oil entered the storm sewer or nearby watercourse. Hydro One hired GFL to conduct the required cleanup.

Complaint Summary

The Public Works Department received two (2) complaints regarding stormwater in 2023. The two (2) complaints were from the same address on Napoleon Street regarding the slow rate that water was draining. Staff investigated the complaint and have determined the system is working as designed.

System Improvements



The Public Works Department is aware that during significant heavy rainfall events, there is the potential for flooding to occur at the corner of Lisgar Street and Argyle Street as there is a significant amount of water that flows to the headwall and then stormwater enters a pipe which then conveys the water to the Sussex Storm Pond. During

heavy rainfalls, debris builds up and restricts the rate at which water enters the pipe and causes a backup of water onto the lawn of the adjacent property. A new grate has been fabricated and installed to allow more water to flow without being significantly impeded by debris. Staff have also cleared some of the undergrowth to reduce the amount of debris coming from upstream.

In 2023, residents may have noticed that Public Works staff installed signage at each storm water management facility throughout Carleton Place to communicate to residents the purpose of these facilities and associated risks, as these facilities are not intended to be used for recreational purposes. A sample of the sign installed is noted in Figure 1 below.

Figure 1



Stonewater Bay Stormwater Management Facility

WARNING – FOR YOUR HEALTH & SAFETY

Stormwater Management (SWMs) Ponds are facilities to collect runoff from the local storm sewer system following a rainfall or snow melt event or activities such as lawn watering for washing vehicles. SWM wet ponds are constructed to temporarily hold this water, provide treatment to remove pollutants and then slowly release the water back to our waterways. Water levels can change suddenly without warning. This area is not intended or designed for recreational use!

NO FISHING	NO SWIMMING	NO SKATING	NO SLEDDING	NO LITTERING

Help protect our waterways:

- Safely dispose of pet waste, paints, used oil, and other waste. Visit the Town website for waste disposal information.
- Minimize the use of pesticides and fertilizers on your lawn or garden.
- Do not release unwanted fish or aquarium pets.

For more information or to report an issue contact the Carleton Place Public Works Department at (613) 257-2253.

ECA Number: 172- S701

Update on Previous Action Items

There are currently no action items from previous annual reports.