



**2023 Consolidated Linear Infrastructure (CLI)  
Environmental Compliance Approval (ECA)  
Stormwater Annual Performance Reporting**

April 2024

## CLI ECA Details

<b>System Owner</b>	Milton, Corporation of the Town of
<b>ECA Number</b>	333-S701
<b>System Name</b>	Milton Stormwater Management System
<b>Period Reported</b>	July 1, 2023 to December 31, 2023
<b>Town Contact</b>	CLIECA@milton.ca
<b>System Description</b>	<p>The Town of Milton Stormwater Management (SWM) System serving the Town of Milton's drainage area, is a separate system for stormwater (i.e., designed not to convey sanitary sewage, combined sewage) within the Sixteen Mile Creek and Bronte Creek watersheds. The Milton SWM System consists of storm sewers, culverts, SWM Facilities and outlets.</p> <p>The ECA covers the entire Town of Milton SWM System owned and operated by the Town of Milton. This ECA does not cover privately owned sewage works on industrial or commercial land.</p> <p>The Municipal SWM System connects to the Town of Halton Hills SWM System via the Outfall of the Town of Milton Business Park SWM Pond to the Town of Halton Hills Storm Sewer System (43.544999 N, 79.865846 W).</p>

## Section 1: Monitoring Program

The purpose of the CLI ECA Monitoring Program is to verify the operational performance of the SWM system, assess the environmental impact of the SWM system, and to develop procedures for corrective action that may be required to address any performance deficiencies or environmental impacts identified through the monitoring program.

The CLI ECA Monitoring Program has not been undertaken during the period reported. As per the Town's CLI ECA #333-S701, monitoring program implementation is required on or before January 21, 2025 or within 24 months of the Ministry of Environment, Conservation and Parks (MECP) publishing Monitoring Guidance, whichever is later. At the time of publishing this Annual Performance Report, the MECP's Monitoring Guidance has not been finalized.



## Section 2: Operations & Maintenance

### Summary of Operational Problems Experienced

Item No.	Date Identified	Infrastructure Type	Infrastructure ID	Operational Issue	Responsibility to Resolve	Status	Date Resolved
1	N/A	Rural Drainage System	N/A	Standing water reported within rural drainage systems in Churchill Estates, Brookville Estates, Tuscany Estate Developments and at First Line Nassagaweya & 15 Side Road	To be determined	To be investigated through Stormwater Master Plan Study, Scheduled 2024 Start	Ongoing



## Inspections, Maintenance and Repairs

The Town of Milton stormwater infrastructure inspection, maintenance and repair program is multi-faceted, and is comprised of the following components:

1. Annual inspections of SWM ponds, channels, and Low Impact Development (LID) facilities conducted by Town staff with maintenance conducted by Town staff as needed.
2. Annual Oil and Grit Separator (OGS) inspection and cleanout program led by the Town and executed by a Contractor, where approximately 50% of OGS' are cleaned out biennially.
3. Stormwater Infrastructure Conditions Assessment led by the Town and executed by a Consulting Team which takes place approximately every 5 years, including inspections and bathymetric surveys.
4. Stormwater Infrastructure Capital project(s) led by the Town, and executed by a Consultant and Contractor team conducted on an as-needed basis to address larger deficiencies identified through the annual inspections and/or the Conditions Assessment that are beyond the scope of what can be completed by Town Staff (i.e., structural repairs, SWM pond sediment removal).

A summary of the inspection findings as well as maintenance and repairs which occurred during the reporting period are summarized below.

### 1. Annual Stormwater Infrastructure Inspections

Town staff conduct annual inspections of all SWM infrastructure including wet SWM ponds, dry SWM ponds, LID facilities and channels. Typically, the inspections are scheduled to take place following the spring freshet. In 2023 the inspections took place between May 4, 2023 and May 18, 2023. A summary of the deficiencies identified during the 2023 inspections are summarized below. Full inspection results are provided in **Appendix A**.



Item No.	Infrastructure Type	Pond ID	Structure ID	Inspection Finding	Status
1	Outlet	1	O01	Concrete cracked, fence broken and not fixed to concrete	To be included in 2024 Miscellaneous Deficiencies Project
2	Inlet	2	I02	Submerged	Resolved
3	Outlet	2	O01	Grate is temporary and needs to be replaced with a permanent grate	To be included in 2024 Miscellaneous Deficiencies Project
4	Outlet	2	O01A	Vegetation overgrown around structure	Resolved
5	Outlet	3	O01	Garbage around outlet and graffiti on structure	Resolved
6	Pond	5	-	Hockey net on pond bank	Resolved
7	Pond	6	-	Litter around pond	Resolved
8	Inlet	6	I03	Debris around structure	Resolved
9	Inlet	6	I04	Fence is knocked over and headwall has cracks that need repair	To be included in 2024 Miscellaneous Deficiencies Project
10	Outlet	6	O01	Grate is not bolted down	To be addressed spring 2024

Item No.	Infrastructure Type	Pond ID	Structure ID	Inspection Finding	Status
11	Pond	9	-	Slight oil sheen on pond	The oil sheen was of minimal volume. Upon returning to the pond to further evaluate, the sheen was no longer present. No further incidences or negative effects were seen upon follow up visit(s).
12	Pond	9	-	Upper fence rail missing NW corner of pond inlet	To be included in 2024 Infrastructure Maintenance Program
13	Outlet	11	O02A	Overflow weir has debris blocking	To be addressed spring 2024
14	Outlet	14	O01	Graffiti on structure	To be addressed spring 2024
15	Pond	15	-	Garbage and shopping cart in pond	Resolved
16	Outlet	15	O01A	Structure submerged	Investigation Ongoing
17	Outlet	15	O01	This structure has no way to lock it	To be included in 2024 Miscellaneous Deficiencies Project
18	Pond	17	-	Old signs present	To be updated under 2024 budget
19	Outlet	19	O02	Bolts are not fastened on grate	Resolved
20	Channel	24	C03	Dam downstream	Resolved

Item No.	Infrastructure Type	Pond ID	Structure ID	Inspection Finding	Status
21	Outlet	25	O01	Outlet pipes are submerged	To be addressed spring 2024
22	Channel	28	C01	Dumping of construction debris	Resolved
23	Inlet	28	I02	Water is 1 inch from top of inlet	Resolved
24	Outlet	28	O05	Outlet is submerged	Resolved
25	Pond	28	-	Structure submerged	Resolved
26	Pond	28	-	Garbage dumped around pond	Resolved
27	Inlet	34	I02	Rip rap swale full of debris	Resolved
28	Inlet	39	I01	Grate is missing a bolt, 1 bolt is loose	Resolved
29	Pond	57	-	Trees are down at various locations, leaning on fences	To be included in 2024 Miscellaneous Deficiencies Project
30	Outlet	64	O01	Leaves and silt are blocking pipe	To be addressed spring 2024
31	Outlet	65	O01	Outlet clogged with sediment	Resolved
32	Outlet	67	O01	Grate unlocked	Resolved
33	Pond	69	-	No signs at this pond	To be added under 2024 budget
34	Inlet	565	I02	Debris covering grate	Resolved



Item No.	Infrastructure Type	Pond ID	Structure ID	Inspection Finding	Status
35	Pond	568	-	Areas of the fence missing or damaged	To be included in 2024 Miscellaneous Deficiencies Project



## 2. Annual OGS Inspection and Cleanout Program

Every year the Town has a Contractor inspect and clean out approximately 50% of the Town's OGS units. The 2023 inspections and cleanout included the following OGS' and occurred between November 21, 2023 and November 29, 2023.

Structure ID	Model
133349	STC-750
131493	STC-750
131460	STC-750
25	STC-750
2	STC-1000
7	STC-2000
42	STC-1000
43	STC-1000
37-B	STC-6000
37-A	STC-6000
33	STC-1000
132672	STM-750
6	STC-750
8	STC-9000
9	STC-9000
130347	OSR-14000
130346	OSR-14000

### 3. Stormwater Infrastructure Conditions Assessment

A Conditions Assessment was not undertaken in 2023.

### 4. Stormwater Infrastructure Capital Project(s)

Inspection and maintenance work completed during the reporting period through capital projects is summarized in the table below.

Project Name	Task	Approximate Date (s)
Stormwater Management Facilities Rehabilitation Project	Town's Consultant undertook an investigation of Pond 15 elevated water levels including a bathymetric survey, detailed inspection, survey of the channel downstream, and CCTV inspection of downstream storm sewers and culverts.	September 2023 -November 2023
Storm Sewer Rehabilitation Project	<ul style="list-style-type: none"><li>• Removed and replaced CB10378-M laterals</li><li>• Removed and replaced CB 10378-S</li><li>• Removed and replaced CB 10378-S lateral</li><li>• Removed and replaced CBMH CB-004 Modulac rings</li><li>• Removed and replaced CB 095</li><li>• Flushing and CIPP lining of existing 375 mm storm sewer (pipe 9856)</li><li>• Heavy cleaning and CIPP lining of existing 525 mm storm sewer (pipe 9957)</li><li>• Flushed and parged 1200 mm storm sewer (pipe 10527)</li><li>• Parged and CIPP lining of existing 1200 mm storm sewer (pipe 10528)</li><li>• Flushed and parged 1200 mm storm sewer (pipe 10529)</li><li>• Flush and parged 1350 mm storm sewer (pipe 10530)</li><li>• Removed and replaced 525 mm storm sewer (pipe 10532)</li></ul>	2023



### Section 3: Complaints

The following table provides a summary of complaints received related to the stormwater works throughout the reporting period, and steps taken to address the complaints.

Item No.	Date Received	Category	Inquiry Description	Date Resolved
2023-2	2023-Apr-22	Channel	Beaver Activity	2023-Apr-25
2023-3	2023-Jul-17	Pond	Outlet Clogged	2023-Jul-18
2023-5	2023-Aug-28	Pond	Question Regarding Pond Cleanout	2023-Aug-29
2023-6	2023-Sep-08	Channel	Beaver Activity	2023-Sep-12
2023-7	2023-Sep-19	Channel	Beaver Activity	2023-Sep-19
2023-8	2023-Oct-23	Channel	Beaver Activity	2023-Oct-30
2023-10	2023-Nov-13	Channel	Beaver Activity	2023-Dec-06
2023-11	2023-Nov-28	Pond	Beaver Activity	2023-Dec-06
2023-12	2023-Dec-05	Pond	Vegetation Removal	2023-Dec-19



## Section 4: Alterations to the System

Summary of all Alterations to the System

Alteration Type	Number of Alterations	Number of Alterations that Pose a Significant Drinking Water Threat
Pre-Authorized Storm Sewer, Ditch or Culvert	3	0
Pre-Authorized Stormwater Management Facility	1	0
Pre-Authorized Third Pipe	0	0
Previously Approved Works	9	0
Schedule C Works	0	0

### Significant Alterations

In 2023 no significant alterations occurred to the system.



## Section 5: Spills and Abnormal Discharge Events

### Summary of Spills and Abnormal Discharge Events

Item No.	Date	Location/ Receiver	Description of Spill / Event	Estimated Duration	Estimated Volume	Actions Taken
#1-29BJXD	November 2022	Highpoint Pond - Parkhill Drive/Sixteen Mile Creek	In November 2022 an oily sheen was observed on the Highpoint Pond located on Parkhill Drive in Milton, by a contractor working on the 401 expansion project. MECP was notified of the spill and contacted the Town. Event #1-29BJXD was created in response to this observation	Approximately 7 months. In June 2023, after having no sheen present in the pond for numerous inspections, the Town removed the containment measures from the pond and notified the MECP of this work	Unknown	Flushed the upstream storm sewer system, cleaned inlet grate to the pond, deployed containment measures, weekly visual inspections (reported to the MECP), soil and water samples taken and analyzed. Engaged an environmental contractor and consultant. Ministry closed file on January 19, 2024
#1-33DB0Q	March 2022	Highpoint Pond - Parkhill Drive/Sixteen Mile Creek	In March 2023, during a regular inspection, a tar like substance was observed. The Town was still maintaining containment measures, but notified	Approximately 2 months. In June 2023, after having no sheen present in the pond for numerous inspections, the	Unknown	Flushed the upstream storm sewer system, cleaned inlet grate to the pond, deployed containment measures, weekly visual inspections (reported to the MECP),

Item No.	Date	Location/ Receiver	Description of Spill / Event	Estimated Duration	Estimated Volume	Actions Taken
			the MECP of the new observation, this prompted the creation of spill event #1-33DB0Q	Town removed the containment measures from the pond and notified the MECP of this work		soil and water samples taken and analyzed. Engaged an environmental contractor and consultant. Ministry closed file on January 19, 2024



## Section 6: Actions Taken to Improve or Correct Performance

In 2023 no actions were taken to improve or correct system performance as there is currently no monitoring program in place to evaluate current performance (refer to Section 1).

## Section 7: Additional Notes/ Comments

Additional Notes / Comments

None

## Section 8: Making Available to the Public

This CLI ECA Annual Performance Report can be obtained by members of the public by visiting: <https://www.milton.ca/en/business-and-development/cli-eca-stormwater.aspx>