



2024 Consolidated Linear Infrastructure (CLI) Environmental Compliance Approval (ECA) Stormwater Annual Performance Reporting

April 2025

CLI ECA Details

System Owner	Milton, Corporation of the Town of
ECA Number	333-S701
System Name	Milton Stormwater Management System
Period Reported	January 1, 2024 to December 31, 2024
Town Contact	CLIECA@milton.ca
System Description	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. 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. 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).

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	Currently being investigated through the ongoing Stormwater Master Plan Project	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 2024 the inspections took place between April 22, 2024 and May 9, 2024. A summary of the deficiencies identified during the 2024 inspections are summarized below. Full inspection results are provided in **Appendix A**.



Item No.	Infrastructure Type	Pond ID	Structure ID	Inspection Finding	Status
1	Pond	0	-	Old sign present that needs to be updated to new sign	Planned for update in 2025
2	Inlet	0	I01	Sidewalks are crumbling	Resolved
3	Outlet	1	O01	Water level is high	Resolved
4	Inlet	1	I01	Headwall cracked	To be resolved under 2025 Stormwater Infrastructure Miscellaneous Deficiencies Project
5	Outlet	2	O01	Structure has temporary grate that needs to be replaced with a permanent grate	To be resolved under the 2025 Pond #2 and Pond #8 Rehabilitation Project
6	Inlet	2	I02	Bolt needs to be tightened	Resolved
7	Inlet	5	I02	Dead raccoon in grate	Resolved
8	Inlet	6	I04	Fence post collapsed around pond	Resolved
9	Inlet	6	O01	Grate is not bolted	Resolved
10	Pond	7	-	Old sign present that needs to be updated to new sign	Planned for update in 2025
11	Inlet	7	I02	Vegetation overgrown in front of inlet	Resolved

Item No.	Infrastructure Type	Pond ID	Structure ID	Inspection Finding	Status
12	Outlet	9	O03	Nut missing on grate	Resolved
13	Outlet	10	O04C	Wingwall fence crossbars are not secured	Resolved
14	Outlet	11	O02A	Water level is high	Resolved
15	Outlet	11	O02A	Overflow weir is blocked by debris	Resolved
16	Outlet	14	O01	Graffiti on structure	Resolved
17	Inlet	14	I01	Grate is broken and open	Resolved
18	Pond	15	-	Multiple shopping carts in pond	Resolved
19	Pond	15	-	Old sign present that needs to be updated to new sign	Planned for update in 2025
20	Outlet	15	O01-A	Water level high	Resolved
21	Inlet	15	I01	Shopping carts in front of grate	Resolved
22	Pond	16	-	Old sign present that needs to be updated to new sign	Planned for update in 2025
23	Inlet	16	I01	Railings on headwall missing	To be resolved under 2025 Stormwater Infrastructure Miscellaneous Deficiencies Project

Item No.	Infrastructure Type	Pond ID	Structure ID	Inspection Finding	Status
24	Pond	17	-	Old sign present that needs to be updated to new sign	Planned for update in 2025
25	Outlet	17	O01	Graffiti on structure	Resolved
26	Outlet	25	O01	Outlet is submerged	Resolved
27	Outlet	19	O02	Bolt needs to be tightened	Resolved
28	Pond	22	-	Old signs present that need to be updated to new sign	Planned for update in 2025
29	Pond	27	-	Old sign present that needs to be updated to new sign	Planned for update in 2025
30	Outlet	28	O06	Outlet is submerged	Resolved
31	Inlet	28	I01	Water level is high	Resolved
32	Inlet	28	I02	Inlet is submerged	Resolved
33	Outlet	33	O02	Endwall concrete deteriorating	To be resolved under 2025 Stormwater Infrastructure Miscellaneous Deficiencies Project
34	Pond	40	-	Old signs present that need to be replaced with new signs	Planned for update in 2025
35	Pond	57	-	Old sign present that needs to be replaced with new sign	Planned for update in 2025

Item No.	Infrastructure Type	Pond ID	Structure ID	Inspection Finding	Status
36	Inlet	63	I02	Vegetation overgrown in front of inlet	Resolved
37	Pond	64	-	No pond safety sign present	Planned for install in 2025
38	Outlet	64	O01	Leaves and silt clogging outlet	Resolved
39	Pond	65	-	No pond signs present	Planned for install in 2025
40	Outlet	67	O01	Grate clips not secured	Resolved
41	Pond	68	-	Toilet disposed of in pond that needs to be removed	Resolved
42	Pond	69	-	No pond signs present	Planned for install in 2025
43	Pond	75	-	No pond signs present	Planned for install in 2025
44	Pond	568	-	No pond signs present	Planned for install in 2025
45	Pond	570	-	No pond signs present	Planned for install in 2025



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 2024 inspections and cleanout included the following OGS' and occurred between October 29, 2024 and November 1, 2024.

Structure ID	Model
2	STC-1000
27	STC-EF8
30	STC-1000
31	STC-750
33	STC-1000
42	STC-100
43	STC-1000
44	STC-750
46	PMSU4030-8

3. Stormwater Infrastructure Conditions Assessment

A Conditions Assessment was not undertaken in 2024.

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 Facility	To rectify known deficiencies at multiple SWM facilities. Scope of work includes but is not limited to concrete repairs (Inlet and outlet structures), grading, removal of excess	September - December 2024

Project Name	Task	Approximate Date (s)
Rehabilitation Project	vegetation, trail and access road improvements, etc.	



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
2024-1	2024-Feb-07	Channel	Beaver Activity	2024-Feb-15
2024-2	2024-Feb-07	Channel	Beaver Activity	2024-Mar-19
2024-3	2024-Mar-01	Other	Ditch Clogged	2024-Mar-04
2024-4	2024-Mar-16	Beaver	Beaver Activity	2024-Mar-20
2024-6	2024-Apr-10	Other	Private Property Flooding	2024-Apr-10
2024-7	2024-Apr-12	Beaver	Beaver Activity	2024-May-24
2024-9	2024-Apr-16	Catchbasin	Private Property Flooding	2024-Apr-17
2024-10	2024-Apr-19	Other	Ditch Clogged	2024-Apr-22
2024-11	2024-May-07	Pond	Outlet Clogged	2024-May-09
2024-12	2024-May-10	Other	Ditch Flooding	2024-May-15
2024-13	2024-May-26	Other	Private Property Flooding	2024-Jul-09
2024-16	2024-Jul-10	Storm Sewer	Private Property Flooding	2024-Jul-11

Item No.	Date Received	Category	Inquiry Description	Date Resolved
2024-17	2024-Jul-11	Beaver	Beaver Activity	2024-Jul-11
2024-19	2024-Jul-15	Other	Private Property Flooding	2024-Jul-23
2024-22	12-Aug-24	Pond	Vegetation	26-Aug-24
2024-23	12-Sep-24	Pond	Vegetation	12-Sep-24
2024-24	7-Sep-24	Pond	Vegetation	13-Sep-24
2024-27	27-Sep-24	Other	Private Property Flooding	30-Sep-24
2024-28	7-Oct-24	Catchbasin	Catchbasin Plugged	8-Oct-24
2024-29	11-Nov-24	Other	Basement Flooding	12-Nov-24
2024-30	15-Nov-24	Other	Private Property Flooding	18-Nov-24



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	11	0
Pre-Authorized Stormwater Management Facility	3	0
Pre-Authorized Third Pipe	0	0
Previously Approved Works	8	0
Schedule C Works	0	0

Significant Alterations

In 2024 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- a0kr8	19-Aug-24	1539 and 1541 Morse Place, discharging to Pond 6 at 1607 Beaty Trail	Following the precipitation event on August 18, 2024. The home owner of 1541 Morse Place experienced basement flooding. The Region went out to investigate and when they entered the basement they noted that the remaining water was very clear and there was no sign of sewage. The Region then put a camera down the pipe to confirm the condition of the lateral. It was determined that the floor drain was tied to the storm main. They	Home was built in the mid-1980s	Unknown	Once the Town was notified of the cross connection the Town installed booms at the storm outlet and the Town reported the spill to the Ministry. After the cross connection was rectified, the storm was flushed from the spill point to outlet. Booms were then removed.

Item No.	Date	Location/ Receiver	Description of Spill / Event	Estimated Duration	Estimated Volume	Actions Taken
			then performed a dye test from the main floor toilet and confirmed it went to the storm main.			
#1-D8Y7AB	07-Nov-24	623 Sunnyvale Crescent	During pre-lining CCTV investigation, a possible residential sanitary lateral cross connection was identified. Subsequent investigations (camera and dye tests) carried out by the Town's contractor have confirmed the cross connection. Construction estimates have been received and rehabilitation will occur as soon as possible.	Home was built in the mid-1980s	Unknown	Once the Town was notified of the cross connection the Town installed booms at the storm outlet and the Town reported the spill to the Ministry.
#1-DVA72H	26-Nov-24	890 Birch Avenue	During pre-lining CCTV investigation, a possible residential sanitary lateral cross connection was identified. Subsequent	Home was built in the mid-1980s	Unknown	Once the Town was notified of the cross connection the Town installed booms at the storm outlet and the Town reported the spill to the Ministry.

Item No.	Date	Location/ Receiver	Description of Spill / Event	Estimated Duration	Estimated Volume	Actions Taken
			investigations (Camera and dye tests) carried out by the Region and the Town's contractor have confirmed the cross connection. Construction estimates have been received and rehabilitation will occur as soon as possible.			
#1-DV9ZAC	26-Nov-24	429 Valleyview Crescent	During pre-lining CCTV investigations, a possible residential sanitary lateral cross connection was identified. Subsequent investigations (camera and dye tests) carried out by the Region and the Town's contractor have confirmed the cross connection. Construction estimates have been received and rehabilitation will	Home was built in the mid-1980s	Unknown	Once the Town was notified of the cross connection the Town installed booms at the storm outlet and the Town reported the spill to the Ministry.

Item No.	Date	Location/ Receiver	Description of Spill / Event	Estimated Duration	Estimated Volume	Actions Taken
			occur as soon as possible.			



Section 6: Actions Taken to Improve or Correct Performance

In 2024 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>