Stormwater Management System

Performance Report 2024

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1.0 Executive Summary

Halton Region owns, operates, and maintains Halton Region's Stormwater Management System (SWMS) in accordance with the Consolidated Linear Infrastructure Environmental Compliance Approval # 004-S701 (CLI-ECA) that was issued by the Ministry of the Environment, Conservation and Parks (MECP) on July 27, 2022. Halton Region's SWMS provides effective stormwater management and protects its residents from the negative effects of wet weather events and snowmelt along the regional road network. This SWMS consists of a comprehensive network of sewers, culverts, catchbasins, maintenance holes, oil grit separators (OGS), ditches, swales, stormwater management ponds, chambers and pumping stations.

Halton Region's SWMS is interconnected with the lower tier municipalities (City of Burlington, Town of Halton Hills, Town of Milton, and the Town of Oakville) stormwater networks, however, Halton Region's stormwater network is not combined with its sanitary system.

This report is prepared to satisfy the MECP annual reporting requirements outlined in Schedule E, S. 5.2 of the CLI-ECA. It covers the reporting period from January 1st to December 31st of the previous calendar year.

2.0 Legislative Requirements

The Ontario Water Resources Act governs stormwater management systems and their associated Environmental Compliance Approvals (ECAs). The owner/operator of each stormwater management system is required to comply with all the requirements and conditions outlined in their ECA. The CLI-ECA for the municipal stormwater management system serving Halton Region includes various stormwater management facilities such as storm sewers, culverts, ditches, stormwater ponds, infiltration trenches, oil grit separators (OGS), and oversized pipes.

The annual performance report for the stormwater management system is submitted to the Ministry of the Environment, Conservation and Parks (MECP) within 90 days following the end of the reporting period. For the reporting period of January 1st to December 31st of the previous calendar year, Halton Region's performance report is due by April 30th of the immediately subsequent year.

The table below outlines the sections of this report that address the specific annual reporting requirements stipulated in Halton Region's Stormwater Management System CLI-ECA # 004-S701.

Table 1 – CLI-ECA Specific Requirements for Annual Reporting and Corresponding Sections

Section	2024 SWMS Performance Report Sections	Halton Region SWMS ECA No. 004-S701 Schedule E, Section 5.2
3.0	Monitoring Data	5.2.2
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3.0 Monitoring Data

Halton Region collaborates with its lower-tier municipalities and external contractors to oversee the condition and performance of its stormwater system, ensuring adherence to the relevant design criteria and preventing any negative impacts on the natural environment (as outlined in CLI-ECA # 004-S701).

In accordance with Section 16 of Ontario Regulation 239/02 Minimum Maintenance Standards for Municipal Highways, municipal staff patrol regional roads to visually inspect the stormwater system's condition and performance, identifying potential issues such as road or ditch ponding after significant rainfall events.

Municipal staff conduct annual assessments of stormwater system outfalls, stormwater management ponds, infiltration chambers, and OGS's. Additionally, Halton Region performs weekly monitoring of all equipment, operational controls, and alarms within each stormwater pumping station. Every three years, a third-party contractor is retained to complete a comprehensive Capital Needs Assessment of each stormwater pumping station.

In summary, monitoring data collected during the current reporting year indicates that Halton Region's stormwater system is functioning as designed, with any identified deficiencies promptly addressed, and no adverse effects on the Natural Environment. Staff will continue to optimize and enhance its monitoring program through the forthcoming publication of the MECP Monitoring Guidance Document.

4.0 Environmental Trends

Based on the monitoring data collected during the current reporting period, staff has determined that the Authorized System operates as designed and that no definitive environmental trends exist. Staff will continue to monitor the Halton Region's stormwater system, and once released, Halton will incorporate the MECP Monitoring Guidance into its monitoring initiative to identify trends and opportunities to enhance its existing stormwater monitoring program.

5.0 Operational Actions

During the current reporting period, staff identified a highly perforated and rusted CSP cross culvert, which was on the verge of collapse and could potentially impair the stormwater system's operation within this drainage area. Staff deemed this issue an emergency and immediately hired a consultant and contractor to successfully replace the cross culvert.

Between July 10th and July 16th, 2024, Halton Region experienced five consecutive intense rainfall events, resulting in 100 to 220 mm of total rainfall in isolated areas. This storm event delivered approximately 25 percent of Halton Region's average annual rainfall, with some areas receiving more than two months' worth of rain in less than one week. Consequently, many properties throughout Halton Region were impacted by overland flooding and storm sewer surcharging, with the northwest and southeast areas of Burlington being most significantly affected.

In response to the July 2024 flood event, Halton Region enacted several flood recovery supports for affected residents, including an Ex-Gratia Grant to help with cleanup costs, repairs, and insurance deductibles, an enhanced curbside waste collection program, and an enhanced basement flooding mitigation campaign. This campaign provided residents with subsidies and access to qualified, licensed contractors, making it easier and more affordable to complete necessary work on the private side.

No other operational problems were identified that impacted Halton Region's stormwater system and required immediate corrective action. However, several minor maintenance and repair items were undertaken to improve its operational performance (see Table 3).

The Region has initiated an in-depth wastewater system performance analysis to confirm the causes of basement flooding and determine what stormwater or wastewater system improvements or private side work may be required to further reduce the risk of flooding. This work involves significant data collection and analysis, as well as collaboration with local municipalities and conservation authorities.

As Halton Region develops strategies to mitigate climate change, staff will also need to assist residents and businesses in adapting to the risk of increasing wet weather impacts. Comprehensive solutions will require the participation of all stakeholders, including residents, businesses, and close collaboration between the Region and local municipalities to develop and implement holistic solutions to reduce the risk of adverse impacts from extreme storm events.

The July 2024 flood event had a significant impact on Halton Region's infrastructure. The intense rainfall caused damage to roads, bridges, and other critical infrastructure components. The surcharging of storm sewers and wastewater systems led to erosion and structural damage in several areas. Public Works staff conducted thorough inspections of affected infrastructure and initiated immediate repairs where necessary.

The community response to the flood event was commendable. Residents collaborated with Public Works staff to report flooding incidents promptly and assisted in cleanup efforts. The enhanced curbside waste collection program was well-received by residents, facilitating efficient disposal of flood-damaged materials. The Ex-Gratia Grant provided much-needed financial support for affected residents, helping them recover from the disaster.

In light of the July 2024 flood event, Halton Region is taking proactive measures to enhance future preparedness for extreme weather events. The Region is investing in advanced monitoring systems to detect early signs of flooding and surcharging. Additionally, staff are developing comprehensive flood mitigation strategies that include infrastructure upgrades, community education programs, and collaboration with local municipalities and conservation authorities.

Effective collaboration with stakeholders is crucial for successful flood management. Halton Region is strengthening its partnerships with local municipalities, conservation authorities, residents, and businesses to develop holistic solutions for flood risk reduction. Regular meetings and workshops are being conducted to share knowledge, discuss challenges, and formulate action plans.

Halton Region's long-term goals include building resilient infrastructure capable of withstanding extreme weather events. The Region aims to integrate climate change adaptation strategies into its planning processes to ensure sustainable development. By fostering a culture of preparedness and resilience, Halton Region is committed to protecting its residents and minimizing the impact of future flood events.

6.0 Inspections, Maintenance, and Repairs

Halton Region staff in conjunction with its lower tier municipalities and the retaining of third-party contractors, conduct a comprehensive inspection program of Halton Region's stormwater system including any major structures, equipment, apparatus, mechanism. Annual inspections conducted by municipal staff focus on the condition and performance of components of the stormwater system as summarized in Table 3:

Table 2 – Inspections - Municipal Staff

Inspection Program	Inspection of Type	Frequency	# of Inspections
Catchbasin s and Maintenance Holes	Visual condition assessment	As per O. Reg. 239/02	7,410 CB&MH
Stormwater Management Ponds	Visual condition and performance assessment	Annual	6 ponds
Stormwater Pumping Stations	Performance maintenance testing (electrical, mechanical, instrumentation, HVAC)	Annual	4 stations
	Station Routine	Bi-weekly	
Stormwater Outlets	Visual condition and sediment accumulation	Annual	416 outlets

All maintenance and repairs completed by qualified municipal staff (as per our Contractor's Maintenance Services agreement) is documented in a work order software system (Burnside Mobile) for tracking purposes. Maintenance and repairs completed by municipal staff on any major structures, equipment, apparatus, mechanism, or thing forming part of Halton Region's Authorized Stormwater System is summarized in Table 3 below:

Table 3 – Summary of Maintenance and Repairs – Municipal Staff

Work Order #	Date	Location (approximate)	Maintenance Type	Maintenance Description
2024-10110	12-Feb-24	Neyagawa Blvd from Highway 407 on-ramp to Highway 407 off-ramp.	Ditch Inlet	Clear the granular debris from the ditch line to reduce ponding.
2024-10073	6-Mar-24	Trafalgar Rd from Southwinds Dr to No 32 Side Rd.	Curb and Gutter	Double Catchbasin frame repair.
2024-10060	8-Mar-24	Derry Rd from Trafalgar Rd to Eighth Line.	Culvert	Unclogged block culvert.
2024-10145	8-Mar-24	Derry Rd from Trafalgar Rd to Eighth Line.	Culvert	Cleared the culvert opening and verified that water was flowing through it.
2024-10135	13-Mar-24	Brant St from Bluefields Dr to Amherst Heights Dr.	Maintenance Hole	Elevate the sunken storm maintenance hole frame.
2024-10188	27-Mar-24	Britannia Rd from Farmstead Dr to RR # 25.	Maintenance Hole	Repaired the sunken sewer.
2024-10235	4-Apr-24	Trafalgar Rd from the Exit 328 off-ramp of Highway 401 to Steeles Ave.	Maintenance Hole	Repaired the sunken sewer.
2024-10181	8-Apr-24	Steeles Ave West from Bronte Street N to Morobel Dr.	Catchbasin	Cleared the blocked Catchbasin.
2024-10311	23-May-24	Tremaine Rd from Kelso Rd to Milton Heights Cres.	Culvert	Clean and remove debris in the ditch.
2024-10263	29-May-24	Campbellville Rd from Milborough Line to First Line.	Ditch Inlet	Removed the steel stakes around the culvert & removed vegetation.
2024-10184	3-Jun-24	Trafalgar Rd from No15 Side Rd to Stewart Town Rd. (s leg).	Catchbasin	Replace the damaged storm inlet gate.

Work Order #	Date	Location (approximate)	Maintenance Type	Maintenance Description
2024-10411	7-Jun-24	Trafalgar Rd from Marlborough Crt to Ceremonial Rd.	Maintenance Hole	Raise sunken storm Maintenance Hole.
2024-10328	11-Jun-24	Steeles Ave from Hornby Rd to Trafalgar Rd.	Ditch Inlet	Cleanup debris and restore ditch profile.
2024-10425	17-Jun-24	Trafalgar Rd from McCraney St E / White Oaks Blvd to Lynnwood Dr.	Culvert	The inlet to the major culvert has a gate that must be closed and locked.
2024-10454	11-Jul-24	Upper Middle Rd East from OEC Entrance East signals to Winston Churchill Blvd.	Stormwater Management Pond	Inspect Halton Region SWM ponds per Oakville's program to ensure proper function.
2024-10310	31-Jul-24	Burloak Dr from Bronte Creek Park Entrance to Old Burloak Dr.	Catchbasin	Replace broken CB Lid.
2024-10430	23-Aug-24	Trafalgar Rd from Dundas St East to Wheat Boom Dr.	Culvert	Reconnected railing at Northwest Corner.
2024-10454	30-Aug-24	William Halton Parkway East from Trafalgar Rd to Eighth Line.	Stormwater Management Pond	Inspect Halton Region SWM ponds per Oakville's program to ensure proper function.
2024-10454	30-Aug-24	William Halton Parkway E t from Sixth Line to 370M East of Sixth Line.	Stormwater Management Pond	Inspect Halton Region SWM ponds per Oakville's program to ensure proper function.
2024-10653	16-Sep-24	William Halton Parkway W at Hospital Gate.	Culvert	Remove vegetation and blockages from the south channel.
2024-10568	26-Sep-24	Steeles Ave W from Peru Rd to Industrial Dr.	Culvert	Flush the driveway culvert and add rip rap to the eroding shoulder to prevent further erosion.
2024-10725	2-Oct-24	Upper Middle Road East from Trafalgar Rd to Golden Briar Trail.	Ditch Inlet	Remove branches and debris from the inlet.
2024-10414	24-Oct-24	Dundas St W from Colonel Williams Parkway/Zenon Dr to Valley Ridge Dr.	Culvert	Assess and clean the east culvert to ensure it can handle the additional flow. Perform ditch maintenance.
2024-10774	29-Oct-24	RR #25 from Lower Base Line to Signals Entrance (Land Fill)	Curb and Gutter	Clear the three spillways of silt and debris to ensure proper flow to the ditch.

Work Order #	Date	Location (approximate)	Maintenance Type	Maintenance Description
2024-10639	31-Oct-24	Ninth Line from Steeles Ave to No. 5 Side Rd.	Culvert	Flush the driveway culvert and add rip rap to the eroding shoulder to prevent further erosion.
2024-10709	31-Oct-24	Ninth Line from Ninth Line to Steeles Ave.	Ditch Inlet	Clear the spillway to ensure unobstructed flow.
2024-10724	8-Nov-24	Martin Street from Steeles Ave to Market Dr.	Culvert	Remove branches from the fallen tree to clear the area.
2024-10787	8-Nov-24	Dundas St West from Lions Valley Park Rd to Neyagawa Blvd.	Ditch Inlet	Clean out the ditch surrounding the storm outlet.
2024-10382	22-Nov-24	Ninth Line from Ninth Line to Steeles Ave.	Curb and Gutter	Clean out both gutters' spillways to ensure positive drainage down the slopes.
2024-10381	22-Nov-24	Ninth Line from Ninth Line to Steeles Ave.	Curb and Gutter	Clean out both spillways approximately 30 meters north of the 407 bridges.
2024-10820	22-Nov-24	Trafalgar Rd from Exit 328 off-ramp Highway 401 to Steeles Ave.	Curb and Gutter	Clean out the two spillways to remove silt and debris, allowing proper flow to the ditch.
2024-10757	28-Nov-24	Ford Dr from Sheridan Garden Dr to 470m of Sheridan Garden Dr (Signals Ford Ent).	Ditch Inlet	Clear out the area around the cross-culvert outlet in the ditch on the west side of Ford Drive to prevent ponding during significant rain events.

In addition, Halton Region also retains a qualified third-party contractor to complete inspections of the stormwater system, which is summarized in Table 4 below:

Table 4 – Inspections – Third-Party Contractors

Inspection Program	Inspection Type	Frequency	# of Inspections
Oil Grit Separator (OGS)	Visual condition / performance Assessment and sediment / oil measurements (sludge judge)	Annual	123 units
Infiltration Chambers	Visual condition / performance assessment and sediment measurements (sludge judge)	Annual	20 units

Inspection Program	Inspection Type	Frequency	# of Inspections
Storm Sewer	CCTV condition / performance assessment	Aligns with Capital Road Projects	14.2 kms
Regulated Culverts	Visual condition / performance assessment (OSIM)	Bi-annual	220 culverts

Upon completion of OGS and infiltration chamber inspections, if any deficiencies are identified or sediment accumulation has exceeded the manufacturer's recommended limits, then repairs and clean-outs are completed within the same calendar year. Similarly, if structural deficiencies or operational maintenance are identified through CCTV of the storm sewers or OSIM inspections of culverts, then these items are programmed in Halton Region's Asset Management Planning to be addressed during future capital works. Annual wet well cleaning is performed at each stormwater pumping station by a qualified third-party contractor and removed materials are disposed of properly.

In summary, no OGS units or infiltration chambers required any repairs. However, 42 oil grit separators were thoroughly cleaned to remove sediment accumulation and disposed of at appropriate receiving sites. Minor grouting and crack sealing were identified in the storm sewers and culverts inspected to improve operational performance, which was scheduled to be completed in upcoming capital road projects.

Annual sweeping of regional roads in the spring, summer, and fall seasons to provide safe roads and minimize sediment accumulation within its stormwater system via Catchbasins.

A qualified third-party contractor performs annual wet well cleaning at each stormwater pumping station, and removed materials are disposed of properly.

7.0 Calibration and Maintenance of Monitoring Equipment

Halton Region owns and operates four stormwater pumping stations, each equipped with an ultrasonic level control system to monitor water levels, pump run times, and flows and control pumps, gates, and alarms. The ultrasonic milltronics are calibrated to manufacturer specifications on an annual basis. Staff also continuously monitor the operation of each pumping station through Halton Region's Supervisory Control and Data Acquisition (SCADA) system.

8.0 Summary of Complaints

Halton Region is comprised of the Town of Halton Hills, Town of Milton, and the Town of Oakville with a total population of approximately 625,000 residents. Residents have multiple options to contact Halton Region including social media, email, in-person, or phone (311). In the current reporting period, Halton Region received 28 complaints related to the stormwater system, many of which were related to the flooding that occurred during the intense rainfall events in July 2024. These complaints were addressed in a timely manner, as summarized in Table 5 below:

Table 5 – Summary of Complaints

Service Request #	Date	Location (approximate)	Issue	Maintenance Resolution
1-487938955	26-Jan-24	Derry Rd.	Flooding	Cleared debris from the catchbasin.
1-491586057	28-Feb-24	Derry Rd & Eight Line.	Flooding	Culvert blockage detected. Advised the landowner to construct a ditch
1-498597108	30-Mar-24	Guelph Line & RR#2 Side Rd.	Flooding	A swale is necessary to facilitate drainage as specified by Conservation Halton (waterflow). No alterations are needed.
1-498639954	1-May-24	143 Tremaine Rd.	Flooding	Ditch cleaned (non-mechanical) and flush driveway culverts.
1-498640082	1-May-24	5030 Guelph Line.	Flooding	Culvert blocked - Cleared debris from culvert.
1-499216186	7-May-24	610 Martin St.	Road Surface	Roadway patched
1-504114686	24-Jun-24	6299 Guelph Line.	Flooding	Storm drain blocked. Issued a notice to Burlington to investigate the cause of flooding and recommend solutions.
1-506474203	14-Jul-24	Burloak Dr & Mainway.	Flooding	Flooding occurred in the middle of the road, but the water receded after some time.
1-506727270	15-Jul-24	Guelph Line & Dundas St (North on Dundas).	Flooding	The ditch flooded due to a blocked drain. Cleared drain.
1-506751511	15-Jul-24	Burloak Dr & Mainway.	Flooding	The roadway flooded due to a blocked drain. Cleared drain.
1-506593863	15-Jul-24	Appleby Line & No 2 Side Rd.	Flooding	The roadway flooded due to a blocked drain. Cleared drain

Service Request #	Date	Location (approximate)	Issue	Maintenance Resolution
1-506665357	16-Jul-24	Steeles Ave & Harrop Dr.	Flooding	Blocked catchbasin that was cleared
1-506661074	16-Jul-24	Derry Rd & Eight Line.	Flooding	Directed Milton to investigate and provide traffic control.
1-506675538	16-Jul-24	Regional Rd 25 & 10 Side Rd.	Flooding	Erosion has been restored, and land reopened
1-506699353	16-Jul-24	Dundas St & Ninth Line.	Flooding	Cleared drain.
1-506698017	16-Jul-24	James Snow Parkway & Derry Rd.	Flooding	Flooding subsided.
1-506701144	16-Jul-24	12028 Guelph Line.	Flooding	Cleared debris from culvert.
1-506732944	17-Jul-24	Ninth Line & Willaim Halton Parkway.	Flooding	Cleared debris from culvert.
1-507768783	25-Jul-24	10498 Trafalgar Rd.	Flooding	Repaired eroded culvert, backfilled with u-fill.
1-508457819	30-Jul-24	Dundas St & Walkers Line.	Flooding	Roadway flooded. Blocked drain. Cleared debris from drain.
1-519151610	31-Oct-24	Appleby Line & Harrison Crt.	Road Surface Maintenance	Maintenance hole cover secured properly.

9.0 Authorized Alterations

In the current reporting period, Halton Region authorized a number of Alterations to its Authorized Stormwater System under CLI-ECA # 004-S701 (see Table 6). There were no Significant Drinking Water Threat Activities identified through any of the authorized Alterations.

Table 6 – Summary of Alterations to the Halton Region's SWMS

Project Number	Approval Type	Project Description	Date Signed	Status	Link to Form
There were no stormwater management system alterations processed within the reporting period					

Table 7 – Status Report for Alterations to the Halton Region SWMS Authorized prior to the Reporting Period

Project Number	Approval Type	Project Description	Date Signed	Status	Link to Form
PR-2263D	Form SW1	Storm sewers on William Halton Parkway, from Neyagawa Blvd to Sixth Line	26-Sep-2022	Completed	ECA-SW1-PR2263D-WHP Neyagawa to Sixth Line-Oakville-2023
PR-2263D	Form SW2	SWM facilities (grassed) swales & culverts for William Halton Parkway	26-Sep-2022	Completed	ECA-SW2-PR2263D-WHP Neyagawa to Sixth Line-Oakville-2023
PR-2261C	Form SW2	Tremaine Rd Interchange - Storm sewers, ditches, culverts, dry pond, swales	8-Dec-2022	Under Construction	ECA-SW2-PR2261C-Tremaine Rd Interchange-Milton-2022
PR-2261C	Form SW1	Tremaine Rd Interchange - Storm sewers, ditches, culverts, dry pond, swales	8-Dec-2022	Under Construction	ECA-SW1-PR2261C-Tremaine Rd Interchange-Milton-2022
PR-3345C	ECA Amendment (Sched. C)	Appleby-Fairview Stormwater Pumping Station Rehabilitation	25-Jan-2023	Completed	ECA-CLI-SWM-Schedule C, Issue 1-2023
PR-2670B	Form SW1	Britannia Rd (RR25 to James Snow Parkway) - Storm sewers, ditches, culverts, Dry Pond, OGS Units	28-Jun-2023	Under Construction	ECA-SW1-PR2670B-Britannia Rd (RR25 to James Snow Parkway)-Milton-2023
PR-2670B	Form SW2	Britannia Rd (RR25 to James Snow Parkway) - Storm sewers, ditches, culverts, Dry Pond, OGS Units	28-Jun-2023	Under Construction	ECA-SW2-PR2670B-Britannia Rd (RR25 to James Snow Parkway)-Milton-2023
PR-3303	Form SW1	Wyecroft Rd (Burloak Dr to Bronte Rd) - Storm sewer, ditches, wet pond	28-Jun-2023	Under Construction	ECA-SW1-PR3303-Wyecroft Rd (Burloak Dr to Bronte Rd)-Oakville-2023
PR-3303	Form SW2	Wyecroft Rd (Burloak Dr to Bronte Rd) - Storm sewer, ditches, wet pond	28-Jun-2023	Under Construction	ECA-SW2-PR3303-Wyecroft Rd (Burloak Dr to Bronte Rd)-Oakville-2023

PR-3309A	Form SW1	Britannia Rd (James Snow Parkway to 407) - Storm sewer, ditches, culverts, OGS Units	5-Jul-2023	Under Construction	ECA-SW1-PR3309A-Britannia Rd (James Snow Parkway to 407)-Milton-2023
PR-3309A	Form SW2	Britannia Rd (James Snow Parkway to 407) - Storm sewer, ditches, culverts, OGS Units	5-Jul-2023	Under Construction	ECA-SW2-PR3309A-Britannia Rd (James Snow Parkway to 407)-Milton-2023
PR-2961B	Form SW2	Trafalgar Road (Regional Road 3) Widening and South Georgetown Servicing	13-Oct-2023	Under Construction	ECA-SW2-PR2961B-Trafalgar Rd Widening, Georgetown South Servicing-Georgetown-2023

10.0 Spills and Discharges

Halton Region has developed a Spills Response Procedure (Q-PR-264) that outlines roles, responsibilities, and procedures taken to respond spills or an abnormal discharge event on regional roads that may impact Halton Region's stormwater system. Under the Environmental Protection Act, R.S.O. 1990, c.E.19, (as amended), Halton Region's Emergency Spill Response Team has a responsibility to respond to Spill Incidents within its boundaries, including on regional roads, to ensure spills are cleaned up accordingly. A summary of spills is outlined in Table 6 below:

Table 8 - Summary of Spills

Service Request #	Date	Location (approximate)	Spill Addressed by Halton's Emergency Spill Response Team
1-488626694	23-Jan-24	Highway 407 and Dundas St.	5 Litres of vehicle coolant spill.
1-489219710	6-Feb-24	North of Trafalgar Road and Glenashton Dr.	5 Litres of coolant spill from a Go Bus.
1-492162695	27-May-24	Appleby Line and Upper Middle Rd.	Unknown volume of engine oil spill.
1-493342298	2-Jul-24	Regional Rd 25 and Britannia Rd.	Unknown volume of Gas or Diesel leak from a commercial pickup truck.
1-493737728	4-Jul-24	Trafalgar Rd and 15 Side Rd.	Unknown volume of minor gasoline spill.

Service Request #	Date	Location (approximate)	Spill Addressed by Halton's Emergency Spill Response Team
1-493805658	23-Jul-24	3505 Upper Middle Rd.	100 L of diesel spilled from truck.
1-494585060	23-Jul-24	Dundas Street W at Trafalgar Rd.	4 yards of manure slurry.
1-517664025	22-Aug-24	Dundas St and Sixth Line.	Less than 10 Litres of transmission oil spill.
1-523780921	13-Sep-24	Upper Middle Rd and Highway 403 Westbound Exit Ramp.	Less than 50 Litres of engine oil or hydraulic fluid.
1-524109844	23-Sep-24	Royal Winsor Dr E of Ford Dr.	Unknown volume of diesel spill.

11.0 Performance Actions

Table 7 below provides a highly level summary of both capital and operating projects that were completed in the current reporting period to improve, or correct, the performance of Halton Region's stormwater system.

Table 9 – Summary of Performance Actions

Timeline in current reporting year	Aspect of Authorized System	Description of Performance Improvements or Corrections
Spring, Summer, Fall	Regional Roads	Sweeping and flushing to minimize sediment entering the Authorized System.
September to November	Storm Sewers	Flushed and CCTV approximately 14.2 km.
October- November	Outlet and Ditch	Ditching to improve the conveyance of stormwater from the outlet through the ditch.

Timeline in current reporting year	Aspect of Authorized System	Description of Performance Improvements or Corrections
October	Stormwater Management Ponds	Remove litter / debris from forebay, cut grass, clean inlet and outlet to improve drainage, installed rip-rap to manage erosion.
October and November	Oil Grit Separators	Thoroughly cleaned 42 units.
March, September and December	Catchbasins and Maintenance Holes	Repaired Catchbasin s and maintenance holes in accordance with OPSS.PROV.408
December	Culvert	Replaced a 0.9m x 43.5 m steel cross culvert

12.0 Previous Performance Actions

The purpose of this section is to summarize the status of actions completed in the current reporting period, however since this is the inaugural Annual Performance Report there are no actions to report.

Table 10 – Summary of Previous Performance Actions

September to November	Storm Sewers	Flushed and CCTV approximately 6.3km
October	Outlet and Ditch	Ditching to improve the conveyance of stormwater from outlet through ditch
October	Stormwater Management Ponds	Remove litter/debris from forebay, cut grass, clean inlet and outlet to improve drainage, installed rip-rap to manage erosion
June to November	Spillways	Assessed the condition of spillways and removed sediment accumulation
December	Oil Grit Separators	Thoroughly cleaned 42 units

October	Catchbasin s and Maintenance Holes	Repaired Catchbasin s and maintenance holes in accordance with OPSS.PROV.408
October	Cross Culvert	Replaced an elliptical 1.7m x 1m x 18.7m steel cross culvert