



**Ontario Clean Water Agency**  
**Agence Ontarienne Des Eaux**

# ***Annual Performance Report***

## ***Town of LaSalle Stormwater Management System***

***ECA# 032-S701***

***For the year***

***2024***

Prepared for the Corporation of the Town of LaSalle  
By the Ontario Clean Water Agency

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The annual performance report pertaining to the Town of LaSalle Stormwater Management System for the operating year 2024 has been prepared by the Ontario Clean Water Agency. This report is submitted to the Director on behalf of the Owner in accordance with Schedule E Section 5.2 of Environmental Compliance Approval (ECA) 032-S701. The Owner shall prepare performance reports on a calendar year basis and submit to the Director by April 30<sup>th</sup> of the calendar year following the period being reported upon.

**5.2.2 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;**

As per Schedule E, Section 4.1 of the ECA, a monitoring plan is required to be implemented within twenty-four months of the publication of the Ministry's monitoring guidance. Awaiting the publication of the Ministry's stormwater monitoring guidance document.

**5.2.3 A summary and interpretation of environmental trends based on all monitoring information and data for the previous five (5) years;**

As per Schedule E, Section 4.1 of the ECA, a monitoring plan is required to be implemented within twenty-four months of the publication of the Ministry's monitoring guidance. Awaiting the publication of the Ministry's stormwater monitoring guidance document.

**5.2.4 A summary of any operating problems encountered and corrective actions taken;**

None to report.

**5.2.5 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;**

Stormwater ponds are inspected at least twice a year (spring/fall) as well as after a major storm event that results in greater than 25mm of rain.

These inspections assess the following:

- Debris or sediment accumulation in nearby roadways or flow routes.
- Damage or erosion to the facility components.
- Blockages of the inlets or outlets.
- Trash accumulation in or around the pond.
- Visual assessment of pond water level.
- Presence of algae or invasive species
- Indication of spills (oil/grease).

Stormwater pond sediment measurements are performed every 5 years. Stormwater pond inspections and sediment measurements are summarized in Table 1.

***Table 1: Stormwater Pond Inspections/Measurements***

Inspection type	Number of Stormwater Pond Inspections/Measurements
Semi-Annual Stormwater Pond Inspection (Spring/Fall):	16
Stormwater Pond Post Storm Inspection (>25mm rain):	50
Stormwater Pond Sediment Measurement:	8

A summary of pump station maintenance during the reporting period is included in Appendix I.

Manhole inspections and storm sewer flushing are performed annually, repairs are performed as required.

**5.2.6 A summary of the calibration and maintenance carried out on all monitoring equipment;**

None to report.

**5.2.7 A summary of any complaints related to the Sewage Works received during the reporting period and any steps taken to address the complaints;**

The Town of LaSalle responded to 8 complaints in 2024. All complaints were investigated and resolved.

**5.2.8 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;**

A summary of the alterations to the authorized system in 2024 is included in Table 2.

**Table 2: Summary of Alterations to the Authorized System**

Development Name	Summary of Alteration	Assumed by the Town	Significant Drinking Water Threat
Trinity Woods	Storm system addition for a new subdivision, drains to retention pond, then pumped into North Bergeron Drain, flows into Chappus to Canard River.	No	No
Villa Oaks (Martin - D'Amore)	Storm system addition for a new subdivision, drains to retention pond, then pumped into North Bergeron Drain, flows into Chappus to Canard River. Martin Lane Subdivision stormwater management (SWM) is to be provided through a proposed SWM pond which is a wet pond and will provide quantity and quality control to neighbouring developments of Trinity Woods and Villa Oaks. The proposed wet pond will provide a total active storage volume of 31,714 m3. Quality control will be provided through the design of the SWM facility and will provide a Normal Protection Level (70% TSS removal) water quality treatment.	No	No
Huron Acres	Storm system addition for a new subdivision, drains to Silverleaf Ln, into Sandwich West Pkwy, into retention pond, which is then pumped into the Lepain Drain, drains into West Branch Cahill, then drains into Canard River.	No	No
Silver Leaf	Storm system addition for a new subdivision, drains into Sandwich West Pkwy, into retention pond, which is then pumped into the Lepain Drain, drains into West Branch Cahill, then drains into Canard River.	No	No
Reaume storm sewer replacement	357mm diameter storm sewer system along the Multi-Use Trail (MUT) was modify during construction to include an short section of the pipe crossing the MUP Trail just east of Oakridge St, between NEW CB-1A and NEW CB-2A.The section of the storm sewer system west of the railway corridor continues to discharge on the north roadside ditch west of Oakridge St., as in	Yes	No

Development Name	Summary of Alteration	Assumed by the Town	Significant Drinking Water Threat
	the design phase. Another change introduced during construction is related to the 300mm diameter storm sewer system with a length of approximately 100m, installed east of the rail corridor, with discharge to St. Michael's Drain. This storm sewer system is replacing an open swale as per IFC design submission.		

**5.2.9 A summary of all spills or abnormal discharge events;**

None to report.

**5.2.10 A summary of actions taken, including timelines, to improve or correct performance of any aspect of the Authorized System; and**

None to report.

**5.2.11 A summary of the status of actions for the previous reporting year.**

None to report.

## **Appendix I**

### **Summary of Pump Station Maintenance Report**

Work Order Summary Report

Report Start Date: Jan 01, 2024

Report End Date: Dec 31, 2024

Location: 5631-SWDS,5631-SWEB,5631-SWHL,5631-SWML,5631-SWSL,5631-SWSV,5631-SWVM

Work Order Type: CALL,CAP,CORR,EMER,OPER,PM

Work Order Status: CLOSE,BUSCOMP,COMP

Work Order						PM Schedule		Work Order Details					
WO #	Asset #	Asset Description	Location Description	Type	Classification	FEQ	Units	WO Description	Status	Scheduled Start	Actual Start	Actual Finsh	Work Log
<a href="#">3765592</a>	0000359041	UPS BATTERY BACK-UP CONTROL PANEL 5631-SWSV	5631, Silver Leaf Storm Water PS	CAP	Refurbish/ Replace/Repair	0		UPS Re-install by Electrical Contractor at Silver Leaf Storm PS	CLOSE		1/31/24 08:01 PM	1/31/24 08:01 PM	UPS Re-install by Electrical Contractor at Silver Leaf Storm PS - • Electrical Contractor returned to site to re-install the UPS Asset after it was repaired under warranty.
<a href="#">3765598</a>	0000359016	TANK STORAGE STORM WATER WET WELL 5631-SWSV	5631, Silver Leaf Storm Water PS	CAP	Refurbish/ Replace/Repair	0		Wet Well Electrical Conductors PVC Pipe Raceway Deficiency Repairs 5631-SWSV	CLOSE		2/13/24 08:31 AM	2/13/24 08:31 AM	Wet Well Electrical Conductors PVC Pipe Raceway Deficiency Repairs 5631-SWSV - • Contractor has returned to perform deficiency repairs on the wet well PVC raceways for the wet well electrical Conductor cables
<a href="#">3789101</a>	0000181970	PUMP SUBMERSIBLE Storm Water Donato Storm PS	5631, Donato Storm Water PS	PM	Refurbish/ Replace/Repair	3	MONTHS	Pump 15 HP Donato Storm PS Amperage/Voltage Checks ( 1 m ) 5631-SWDS	CLOSE	2/1/24 12:00 AM	3/12/24 07:46 AM	3/12/24 07:46 AM	Lasalle Donato Storm Station Test -• Test voltages and amps due to multiple capacitors. • Amps - 16.1, 15.6, 9.0 amps • Voltage - 615, 569, 586. • Next inspection will inspect the capacitors and check if any need to be replaced.

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Work Order Type: CALL,CAP,CORR,EMER,OPER,PM

Work Order Status: CLOSE,BUSCOMP,COMP

Work Order						PM Schedule		Work Order Details					
WO #	Asset #	Asset Description	Location Description	Type	Classification	FEQ	Units	WO Description	Status	Scheduled Start	Actual Start	Actual Finsh	Work Log
<a href="#">3824985</a>	0000154988	PANEL CONTROL 07 LAKES STORMWATER PS	5631, Seven Lakes Estates Storm Water PS	PM	Refurbish/ Replace/Repair	3	YEARS	Panel Control 07 Lakes Stormwater Ps Insp/Service (3y) - 5631	CLOSE	3/1/24 12:00 AM	3/13/24 07:14 AM	3/13/24 07:14 AM	Seven Lakes Storm Panel Inspection - <ul style="list-style-type: none"><li>• Clean electrical components with soft brush and vacuum.</li><li>• Tighten all terminals and inspect all components.</li><li>• Breakers are all in good condition, no sign of overheating or any unusual noises.</li><li>• Panel door disconnect is lockable, no damages, no sign of grinding or mechanical failures.</li><li>• Pumps drawing proper amps and proper voltage at all electrical components.</li><li>• Amps, ohms and megger readings posted inside panel.</li><li>• Control panel indicator lights all working.</li></ul>
<a href="#">3846428</a>			5631, Silver Leaf Storm Water PS	CAP	Refurbish/ Replace/Repair	0		Silver Leaf storm station Scada pack replacement	CLOSE		3/1/24 02:53 PM	3/1/24 02:53 PM	Silver Leaf storm station Scada pack replacement - replaced problematic scada pack.



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Work Order Type: CALL,CAP,CORR,EMER,OPER,PM

Work Order Status: CLOSE,BUSCOMP,COMP

Work Order						PM Schedule		Work Order Details					
WO #	Asset #	Asset Description	Location Description	Type	Classification	FEQ	Units	WO Description	Status	Scheduled Start	Actual Start	Actual Finsh	Work Log
<a href="#">3903279</a>			5631, Seven Lakes Estates Storm Water PS	CORR	Refurbish/ Replace/Repair	0		7-Lakes, original pump re-installed, 5631	CLOSE		4/24/24 08:01 AM	4/24/24 08:01 AM	Seven Lakes Storm Pump Install -• Re install storm pump at Seven Lakes. • Drawing proper amps and has good flow. • No issues 7-Lakes, original pump re-installed, 5631 - • Received today, original pump with warranty work completed by Xylem • 3102-060-2270048 (464). 0000345714 • Re-installed, test run OK, left in auto ----- • Removed temporary • 3102-060-2020227 (464). 0000323450 • Kept as spare in pole barn 7-Lakes, original pump re-installed, 5631 - • Follow-up • All checks are good • completed
<a href="#">3931578</a>	0000181970	PUMP SUBMERSIBLE Storm Water Donato Storm PS	5631, Donato Storm Water PS	PM	Refurbish/ Replace/Repair	3	MONTHS	Pump 15 HP Donato Storm PS Amperage/Voltage Checks ( 1 m ) 5631-SWDS	CLOSE	5/1/24 12:00 AM	5/29/24 01:23 PM	5/29/24 01:23 PM	Lasalle Donato Storm Electrical Test -• Perform running check on motor. • VAC -Ground 321, 328 & 389. • AMPS - 16.2,15.8 & 9.0 • Phase to Phase 619, 571, 588. • Will need to open control panel and check capacitors next inspection.
<a href="#">3951716</a>			5631, Silver Leaf Storm Water PS	CORR	Refurbish/ Replace/Repair	0		Silver Leaf Storm PS Private Hydro Supply Faulted by AMICO Contractor Activity 5631-SWSV	CLOSE	5/28/24 03:55 PM	6/13/24 07:39 AM	6/13/24 07:39 AM	Private Hydro Supply Faulted by AMICO Contractor Activity 5631-SWSV - • Faulted Hydro Supply service due to Amico Contractor Activity, striking the under ground hydro supply lines. • Repairs to the service are being done by the Clients Electrical Contractor, Fields Electrical. Silver Leaf Generator Install - • Install generator at Silver Leaf due to multiple day power outage. • Change rotation on generator to match the station and Lasalle generator. • Let pumps run to drain the pond to normal operations

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Work Order Type: CALL,CAP,CORR,EMER,OPER,PM

Work Order Status: CLOSE,BUSCOMP,COMP

Work Order						PM Schedule		Work Order Details					
WO #	Asset #	Asset Description	Location Description	Type	Classification	FEQ	Units	WO Description	Status	Scheduled Start	Actual Start	Actual Finsh	Work Log
<a href="#">4075978</a>	0000181970	PUMP SUBMERSIBLE Storm Water Donato Storm PS	5631, Donato Storm Water PS	PM	Refurbish/ Replace/Repair	3	MONTHS	Pump 15 HP Donato Storm PS Amperage/Voltage Checks ( 1 m ) 5631-SWDS	CLOSE	8/1/24 12:00 AM	9/23/24 07:58 AM	9/23/24 07:58 AM	
<a href="#">4095460</a>			5631, Martin Lane Storm Water PS	CALL	Inspection	0		Martin Lane Storm Supervisory Alarm	CLOSE		8/24/24 10:30 AM	8/24/24 11:30 AM	Martin Lane Storm Supervisory Alarm - <ul style="list-style-type: none"><li>Call for Martin Lane Storm supervisory alarm.</li><li>Upon arrival nothing in DSC.</li><li>Called security one and they had a zone 0. It has restored, they believe it had something to do with their equipment.</li><li>Station checked, multiple pump runs observed with both pumps and station is operating as designed.</li><li>Noticed pump runs really close together Start at 3.25 stop at 3.00.</li><li>Also appears that after a pump run water is coming back in through discharge duckbills in ditch.</li><li>Dan C notified of findings, Robert B and operators emailed</li><li>No alarms on DSC and site secured</li></ul>
<a href="#">4096010</a>			5631, Martin Lane Storm Water PS	CORR	Refurbish/ Replace/Repair	0		Martin Lane Storm Water PS - inspect pump on/off setpoints - 5631	CLOSE		8/29/24 07:58 AM	8/29/24 07:58 AM	- <ul style="list-style-type: none"><li>Operator indicated pump was cycling on and off over the weekend and asked to verify on/off setpoints in relation to standing level of storm pond</li><li>Found there to be only 6 inches of cycle time for pumps.</li><li>Changed relay from from 3.18 ft to 3.3ft and relay 2 from 3.29 to 3.45</li></ul>

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Work Order Type: CALL,CAP,CORR,EMER,OPER,PM

Work Order Status: CLOSE,BUSCOMP,COMP

Work Order						PM Schedule		Work Order Details					
WO #	Asset #	Asset Description	Location Description	Type	Classification	FEQ	Units	WO Description	Status	Scheduled Start	Actual Start	Actual Finsh	Work Log
<a href="#">4096198</a>			5631, Donato Storm Water PS	OPER	Refurbish/ Replace/Repair	0		August/September 2024 Client Requested Decommissioning of Donato Storm PS Project 5631-SWDS	CLOSE	8/28/24 09:57 AM	9/19/24 06:15 AM	9/19/24 06:15 AM	August/September 2024 Client Requested Decommissioning of Donato Storm PS Project 5631-SWDS - • Attend meeting to discuss scope of work to decommission this pump station August/September 2024 Client Requested Decommissioning of Donato Storm PS Project 5631-SWDS - • Visited sites for Harmony Lakes and Donato Storm Pump Stations August 29 to begin the planning of the lowering of pond levels . • Checking Print Elevations for the re-programing of the pump level controllers. August/September 2024 Client Requested Decommissioning of Donato Storm PS Project 5631-SWDS - • August 30 Harmony lakes Pond level stopped being pumped down due to pumps not discharging water at 40 hz pump speed at a level of 4.1 m. • Had to change the minimum pump speeds to 55 hz. Donato Storm now in Hibernation until decomissioning - • The Contractor has completed the Donato Storm PS 600 mm outlet pipe re-opening to the Harmony lakes Storm Ponds inlet. • Donato Storm Pond will now transfer storm water to Harmony Lakes Ponds and the Pumping Station for Donato is now in Hibernation until the Client has it permanently decommissioned.
<a href="#">4141908</a>	0000359079	PANEL ALARM/ DIALER STORM PS 5631-SWML	5631, Martin Lane Storm Water PS	CORR	Refurbish/ Replace/Repair	0		Alarm Monitoring System Service Call 5631-SWML	CLOSE	9/5/24 02:15 PM	9/19/24 06:14 AM	9/19/24 06:14 AM	

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Location: 5631-SWDS,5631-SWEB,5631-SWHL,5631-SWML,5631-SWSL,5631-SWSV,5631-SWVM

Work Order Type: CALL,CAP,CORR,EMER,OPER,PM

Work Order Status: CLOSE,BUSCOMP,COMP

Work Order						PM Schedule		Work Order Details					
WO #	Asset #	Asset Description	Location Description	Type	Classification	FEQ	Units	WO Description	Status	Scheduled Start	Actual Start	Actual Finsh	Work Log
<a href="#">4143420</a>	0000313560	METER LEVEL Wet Well Harmony Lakes Storm PS	5631, Harmony Lakes Storm Water PS	CORR	Refurbish/ Replace/Repair	0		Level Meter Transducer Signals spiking service check request 5631-SWHL	CLOSE	9/11/24 04:14 PM	9/16/24 05:44 AM	9/16/24 05:44 AM	- signal fail Troubleshoot level spiked -•verified all parameter values were as they should be. •verified all wiring was correct •inspect transducer for debris, damage or any other problems that could cause faulty readings. Transducer was found to have a foam sticker on it. Sticker was removed and outpost will be monitored. Harmony Lakes Trends Spike -• Trends spiking on the level controller, pump runs are coming on and off at proper levels. • Trends for level fluctuates but not enough to turn the pumps on and off. • Found a foam cover on the face of the transducer removed and will reassess. Harmony Lake Outpost Spikes -• Change the cable from outpost to the control panel. • The cable installed was not a shielded cable. • Install shielded cable from outpost panel to control panel and will see over the weekend how the spikes look.
<a href="#">4195436</a>			5631, Harmony Lakes Storm Water PS	CORR	Refurbish/ Replace/Repair	0		Harmony Lakes Storm - outpost high level alarm - 5631	CLOSE		10/30/24 09:45 AM	10/30/24 09:45 AM	
<a href="#">4220072</a>	0000181970	PUMP SUBMERSIBLE Storm Water Donato Storm PS	5631, Donato Storm Water PS	PM	Refurbish/ Replace/Repair	3	MONTHS	Pump 15 HP Donato Storm PS Amperage/Voltage Checks ( 1 m ) 5631-SWDS	CLOSE	11/1/24 12:00 AM	11/18/24 09:51 AM	11/18/24 09:51 AM	
<a href="#">4234184</a>			5631, Harmony Lakes Storm Water PS	CORR	Refurbish/ Replace/Repair	0		SPS21-Harmony Lakes Storm-wet well high analog fault-5631	CLOSE		11/6/24 08:10 AM	11/6/24 08:10 AM	Investigate wet well high fault on SCADA -•found inconsistent data on outpost trends High low levels needed auto scaling •Michelle tan to include 60s delay on fault to avoid nuisance faulting