Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Director
Environmental Permissions Branch
135 St Clair Ave. West
Toronto, ON M4V 1P5

March 30, 2026

Re: 2025 Annual Performance Report for the County of Brant Sewage Collection System

Attached is the 2025 Annual Performance Report for the County of Brant Sewage Collection System. This report has been completed in accordance with:

Issue Number 2 – County of Brant Sewage Collection System CLI-ECA 062-W601 dated September 19, 2023. This report was prepared by the Ontario Clean Water Agency, on behalf of the County of Brant, based on the information we have in our records. The report covers the period from January 1, 2025 to December 31, 2025.

Sincerely,

Raisa Blitterswyk
Process and Compliance Technician
Ontario Clean Water Agency

Cc.
Andrea Bazzard – Director of Environmental Services, County of Brant
Matthew D'Hondt – Solid Waste/Wastewater Operations Manager, County of Brant
Lisa Williamson – Water Supervisor, MECP
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2025

ANNUAL PERFORMANCE REPORT

COUNTY OF BRANT SEWAGE COLLECTION SYSTEM

CONSOLIDATED LINEAR INFRASTRUCTURE -
ENVIRONMENTAL COMPLIANCE APPROVAL # 062-W601
(ISSUE #2, DATED SEPTEMBER 19, 2023)

PREPARED BY: ONTARIO CLEAN WATER AGENCY

PREPARED FOR: THE MINISTRY OF THE ENVIRONMENT, CONSERVATION AND PARKS

ON BEHALF OF: THE COUNTY OF BRANT

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SEWAGE COLLECTION SYSTEM (CLI-ECA 062-W601) REQUIREMENTS

The County of Brant Sewage Collection System consists of four individual sewage collection systems.

1) The Airport Municipal Sewage Collections System is classified as a Class I System (Certificate # 910 dated March 27, 2013) and consists of 1.7 km of gravity sewers that discharge into the Airport Sewage Treatment System.
2) The Cainsville Municipal Sewage Collection System is classified as a Class I System (Certificate # 911 dated March 27, 2013) and services the majority of the geographical area of Cainsville, which consists of 5.2 km of gravity sewers that discharge into the Cainsville Lagoons.
3) The St. George Municipal Sewage Collection System is classified as a Class I System (Certificate # 360, dated March 27, 2013) and services a portion of the village of St. George, which consists of 16 km of gravity sewers that discharge into the St. George Water Pollution Control Plant.
4) The Paris Municipal Sewage Collection System is classified as a Class II System (Certificate # 307, dated March 27, 2013) and services the majority of the town of Paris. The system consists of: 72 km of gravity sewers and forcemains, seven (7) sewage pumping stations, two (2) siphons, and, five (5) odour control systems, that conveys sewage to the Paris Water Pollution Control Plant.

The following report is presented such that it corresponds with CLI-ECA 062-W601, Issue #2, dated September 19, 2023, Schedule E, Section 4.6 and 4.7.

(A) SUMMARY OF REQUIRED MONITORING DATA

(I) Airport Collection System

There is no monitoring data required by ECA 062-W601 for the Airport Collection System.

In 2020 the County initiated a sampling program in the Airport Collection System. The program monitors chlorides, metals and hydrocarbons. The program was undertaken due to an increase in chlorides observed at the Airport Sewage Treatment System (STS) since late 2019. The chlorides typically spike in the summer/warmer months which has resulted in increased chlorides observed in the monitoring wells in the area. The elevated chlorides are due to industrial process water being discharged to the system. Chlorides can impact the Airport STS process, at levels around 1500 mg/L the biological phosphorous removal is inhibited. Chloride concentrations in the raw sewage sample were below 1500mg/L in 2025 and no impacts to the treatment process were observed. The sampling study will continue into 2026 to monitor the quality of the influent and effluent.

(II) Cainsville Collection System

There is no monitoring data required by ECA 062-W601 for the Cainsville Collection System. The County completes a sampling program in the Cainsville Collection System that monitors BOD_5 and pH in two manholes upstream of the Cainsville Lagoons. This monitoring program has been undertaken for due diligence to monitor for potential changes and users connected to the system. The 2025 data was similar to the 2024 results. The due diligence monitoring program will continue into 2026.

Manhole liquid levels are monitored in two manholes in the Cainsville Collection System. The collection system flows are split into a north catchment and south catchment upstream of the inlet pipe for the Cainsville Lagoons. The monitors are located upstream of the split location. The monitors are located upstream of the split location. A significant rainfall event occurred on October 30 and 31, which had 27.6mm fall in 24 hrs. The level monitors indicated the north catchment has a 30% increase in level and the south catchment did not indicate a noticeable response to the rainfall event.

(III) St. George Collection System

There is no monitoring data required by ECA# 062-W601 for the St. George Collection System.

Manhole liquid levels are monitored in 4 manholes in the St. George Collection System. The collection system flows are split into 4 catchments upstream of the inlet pipe for the St, George Water Pollution Control Plant. A significant

rainfall event occurred on March 20, which had 18.5mm fall in 8 hrs. The Level monitor indicated a 25% to 30% increase in level response to the rainfall event.

(IV) Paris Collection System

There is no monitoring data required by ECA 062-W601 for the Paris Collection System. See *Sewage Pumping Stations* for a discussion of the monitoring data available for the Paris Collection System Sewage Pumping Stations.

SEWAGE PUMPING STATIONS (SPS)

The following is a summary of flow monitoring data for Grandville SPS, Brant 403 Business Park SPS, Grand River St. N SPS, Willow St. SPS, Fairview Heights SPS, Paris Meadows SPS, and Paris Grand SPS, including an overview of the adequacy of the works. Discharge flow monitoring calibrations were completed on June 30, and July 2 2025. All OCWA operated Sewage Pumping Stations performed as designed throughout the reporting period.

TABLE 1 – FLOW DATA FOR GRANDVILLE SEWAGE PUMPING STATION*

Month	Total (m^3)	Daily Average (m^3)	Daily Maximum (m^3)
January	12,742.03	411.03	471.25
February	11,289.84	403.21	503.89
March	13,314.76	429.51	496.43
April	13,287.11	442.90	559.40
May	13,058.51	421.24	576.33
June	13,557.12	451.90	577.88
July	12,907.65	416.38	461.16
August	12,725.53	410.50	452.65
September	12,947.28	431.58	481.44
October	13,517.73	436.06	495.59
November	13,606.71	453.56	503.85
December	14,577.72	470.25	593.66
Total	**157,531.99**	--	--
Average	--	**431.551**	--

*Design Peak Flow 54 L/sec (1 duty and 1 standby)

TABLE 2 – FLOW DATA FOR BRANT 403 BUSINESS PARK SEWAGE PUMPING STATION*

Month	Total (m^3)	Daily Average (m^3)	Daily Maximum (m^3)
January	2,133.50	68.82	146.87
February	3,318.04	118.50	156.80
March	3,268.93	105.45	199.83
April	1,782.98	59.43	117.77
May	1,776.19	57.30	88.09
June	1,403.22	46.77	99.03
July	1,933.35	62.37	100.22
August	1,962.08	63.29	100.60
September	1,585.17	52.84	140.73
October	1,848.78	59.64	176.28
November	1,823.36	60.78	179.96
December	1,176.22	37.94	77.96
Total	**24,011.82**	--	--
Average	--	**40**	--

*Rated Design Capacity 43 L/sec (1 duty and 1 standby)

TABLE 4 – FLOW DATA FOR GRAND RIVER ST N SEWAGE PUMPING STATION*

Month	Total (m^3)	Daily Average (m^3)	Daily Maximum (m^3)
January	14,584.76	470.48	556.28
February	12,693.92	453.35	494.46
March	14,603.27	471.07	511.69
April	14,791.20	493.04	538.84
May	15,073.69	486.25	518.06
June	14,763.79	492.13	585.52
July	15,214.60	490.79	522.88
August	15,326.78	494.41	548.87
September	15,464.97	515.50	569.52
October	15,405.12	496.94	532.45
November	12,854.75	428.49	512.09
December	13,708.33	442.20	582.75
Total	**174,485.18**	--	--
Average	--	**477.89**	--

*Design Peak Flow Capacity 207 L/sec (2 duty and 1 standby)

TABLE 5 – FLOW DATA FOR WILLOW ST SEWAGE PUMPING STATION*

Month	Total (m^3)	Daily Average (m^3)	Daily Maximum (m^3)
January	76,966.06	2,482.78	3,646.96
February	63,498.76	2,267.81	2,466.34
March	107,630.05	3,471.94	7,840.59
April	111,372.86	3,712.43	9,560.51
May	81,837.72	2,639.93	3,359.31
June	73,694.13	2,456.47	3,217.74
July	72,698.80	2,345.12	2,621.69
August	67,651.84	2,182.32	2,372.60
September	65,803.11	2,193.44	2,408.04
October	65,291.22	2,106.17	2,354.03
November	60,883.14	2,029.44	2,272.47
December	68,036.72	2,194.03	3,113.28
Total	**915,364.41**	--	--
Average	--	**2,056.88**	--

*Design Peak Flow Capacity 295 L/sec (3 duty and 1 standby)

TABLE 6 – FLOW DATA FOR FAIRVIEW HEIGHTS SEWAGE PUMPING STATION*

Month	***Total (m^3)***	***Daily Average (m^3)***	***Daily Maximum (m^3)***
January	5,943.00	191.73	243.60
February	5,348.00	191.01	226.10
March	6,124.85	197.58	232.60
April	5,976.62	199.22	231.18
May	6,124.81	197.57	400.47
June	5,569.35	185.64	279.22
July	5,527.77	178.32	208.82
August	5,584.31	180.14	216.55
September	5,302.49	176.75	312.14
October	5,880.35	189.69	270.66
November	5,556.76	185.23	245.45
December	5,940.55	191.63	276.82
Total	**68,878.86**	**--**	**--**
Average	**--**	**188.71**	**--**

*Design Peak Flow Capacity 25.35L/sec (1 duty and 1 standby)

TABLE 7– FLOW DATA FOR PARIS MEADOWS SEWAGE PUMPING STATION*

Month	***Total (m^3)***	***Daily Average (m^3)***	***Daily Maximum (m^3)***
January	4,736.92	152.80	187.88
February	4,252.07	151.86	232.44
March	4,475.99	144.39	170.10
April	4,601.86	153.40	170.72
May	4,797.48	154.76	169.93
June	4,752.04	158.40	181.43
July	4,897.44	157.98	181.43
August	4,738.71	152.86	177.44
September	5,699.01	189.97	348.69
October	5,876.11	189.55	327.46
November	4,803.44	160.11	198.50
December	5,359.60	172.89	210.19
Total	**58,990.67**	**--**	**--**
Average	**--**	**161.58**	**--**

*Design Peak Flow Capacity 56 L/sec (1 duty and 1 standby)

TABLE 8– FLOW DATA FOR PARIS GRAND SEWAGE PUMPING STATION*

Month	*Total (m^3)*	*Daily Average (m^3)*	*Daily Maximum (m^3)*
January	5,874.87	189.51	231.11
February	4,901.66	175.06	201.74
March	5,657.31	182.49	218.36
April	6,280.77	209.36	285.45
May	6,147.21	198.30	233.70
June	5,949.99	198.33	245.30
July	6,119.76	197.41	229.90
August	5,800.83	187.12	218.30
September	5,414.19	180.47	214.16
October	5,303.96	171.10	210.10
November	4,966.82	165.56	217.38
December	5,479.92	176.77	335.92
Total	**67,897.29**	**--**	**--**
Average	**--**	**185.96**	**--**

*Ultimate Period Peak Flow 61.72 L/sec (1 duty and 1 standby)

(B) OPERATING PROBLEMS AND CORRECTIVE ACTIONS TAKEN

There were no operating problems to report in the Airport, Cainsville, and St. George Collection Systems in 2025. Two (2) pump stations in the Paris Collection System experienced minor operating issues during the reporting period; however, these did not affect station operations or service continuity. Details are provided below.

The Willow Street Pumping Station had the air exchange unit louvres fail to open during a power outage in April. A contractor was called to site to diagnose the system and manually open them. A relay was found to be faulty and it was replaced at a later inspection.

At the end of March, Fairview Pumping Station had the back-up generator Automatic Transfer Switch (ATS) fail during the monthly test. A generator and electrical contractor were called to site. It was determined the ATS would have to be ordered and would be delivered 2 days later. During this time, a Contractor was on-call to manually switch the ATS if required due to power outage, which was not required.

(C) CALIBRATIONS, MAINTENANCE AND REPAIRS

Below is a summary of all calibrations, maintenance and repairs carried out during the reporting period. Flow meters are calibrated annually and records can be found in *Appendix A*.

(I) Airport Collection System

Table 9 shows the maintenance and repairs performed on the Airport Collections system in 2025:

TABLE 9 – MAINTENANCE AND REPAIRS OF THE AIRPORT COLLECTION SYSTEM

Date	*Work Performed*
July 24	Sanitary main was hit by an excavator and required repairs. Approximately 4.5m of 300mm diameter concrete pipe was removed and replaced with new 4.5m 300mm diameter PVC pipe. Fernco couplers were used to transition from the concrete to PVC piping.
Oct 3	Four 1m Cured in Place Pipe (CIPP) spot repairs completed along the sanitary sewers connected to the Airport STS.
Oct 22	Contractors working near 18 York Ave. caused a manhole to shift, manhole lid was repaired and debris was removed from benching

*There is no equipment in the Airport Collection System that requires calibration

(II) Cainsville Collection System

Table 10- details the maintenance and repairs that were completed in the Cainsville Collection System in 2025.

TABLE 10 –MAINTENANCE AND REPAIRS OF THE CAINSVILLE COLLECTION SYSTEM

Date	***Work Performed***
March 31	Flushing of the sanitary sewers located in Cainsville along Shaver Street, Ewart Avenue, and Worthington Drive.
April 1	Flushing and CCTV video inspection of the sanitary sewers located in Cainsville along Shaver Street, Ewart Avenue, and Worthington Drive.
April 2	CCTV video inspection of the sanitary sewers located in Cainsville along Shaver Street, Ewart Avenue, and Worthington Drive.
March 18	A section of pipe was replaced on the 450mm inlet sanitary main between CNV1083 and CNV01085 to address infiltration.

(III) St. George Collection System

Table 11 details the maintenance and repairs that were completed in the St. George Collection System in 2025.

TABLE 11 –MAINTENANCE AND REPAIRS OF THE ST. GEORGE COLLECTION SYSTEM

Date	***Work Performed***
March 25	Flushing and CCTV inspection of the St. George sanitary sewers located along King William Street, Russel Crescent, and Mayfair Court.
March 26	Flushing and CCTV inspection of the St. George sanitary sewers located along King William Street, Russel Crescent, and Mayfair Court.
March 27	Flushing and CCTV inspection of the St. George sanitary sewers located along King William Street, Russel Crescent, Mayfair Court, Austin Crescent, Royal York Court, Victor Boulevard, and the lane way to the St. George WWTP.
March 28	CCTV inspection of the St. George sanitary sewers located along Austin Crescent, Royal York Court, Victor Boulevard and the lane way to the St. George WWTP.
April 3	CCTV video inspection of the sanitary sewers located in St. George along Victor Boulevard, Austin Crescent, and lane way to the St. George WWTP.
April 7	CCTV video inspection of the sanitary sewers located in St. George along Victor Boulevard, Austin Crescent, and lane way to the St. George WWTP.
July 2	Two 1m CIPP spot repairs completed in St George along High Street.

(IV) Paris Collection System

Table 12 details the calibrations, maintenance and repairs that were completed in the Paris Collections System in 2025. Annual calibrations were preformed on June 30, 2025 on the discharge flow meters of the Paris Collections System Sewage Pumping Stations. The flow meters are operating within the allotted +/- margin of error. The 2025 Calibrations Reports for the Paris Collections Sewage Pumping Stations can be found in *Appendix A*.

TABLE 12 –MAINTENANCE AND REPAIRS OF THE PARIS COLLECTIONS SYSTEM

Date	***Work Performed***
March 12	Flushing and CCTV inspection of Paris sanitary sewers located along Cardinal Lane, Cobblestone Drive, Crawford Place, Grandville Circle, Irongate Drive, Marriot Place, McQueen Drive, and Row Lane.
March 13	Flushing and CCTV inspection of Paris sanitary sewers located along Cardinal Lane, Cobblestone Drive, Crawford Place, Grandville Circle, Irongate Drive, Marriot Place, McQueen Drive, and Row Lane.

March 14	Flushing and CCTV inspection of Paris sanitary sewers located along Cardinal Lane, Cobblestone Drive, Crawford Place, Grandville Circle, Irongate Drive, Marriot Place, McQueen Drive, and Row Lane.
March 17	CCTV inspection of Paris sanitary sewers located along Cardinal Lane, Cobblestone Drive, Crawford Place, Grandville Circle, Irongate Drive, Marriot Place, McQueen Drive, and Row Lane. Flushing of the Paris sanitary sewers located along Rest Acres Road and Powerline Road.
March 19	Flushing and CCTV inspection of Paris sanitary sewers located along Adi Dassler Way, Folsetter Drive, and Bethel Road. CCTV Video of the sanitary sewers along Rest Acres Road, and Powerline Road.
March 20	CCTV inspections on Paris sanitary sewers along Adi Dassler Way, Folsetter Drive, and Bethel Road
March 21	CCTV Video inspection of the Paris sanitary sewers along Adi Dassler Way, Folsetter Drive, and Bethel Road.
March 25	Flushing and CCTV inspection of Paris sanitary sewers located along Mile Hill Road.
April 9	Flushing and CCTV video of the sanitary lines located in Paris along Rest Acres Road, Powerline Road, Adi Dassler Way, and Bethel Road.
June 5	1m CIPP spot repair along Dumfries Street.
June 18	1m CIPP spot repair along Queen Street and Grand River Street South.
June 19	1m CIPP spot repair along Jasmine Drive & Queen Street.
June 20	1m CIPP spot repair along Mount Elgin Street and Monk Street.
July 7	Flushing and 1m CIPP spot repair along Ball Street.
July 18	Inspected Laurel St. Chamber, low amounts of sediment, will schedule cleanout for 2026
July 24	1m CIPP Spot repair along Monk Street in Paris, ON.
September 5	1m CIPP spot repairs in Paris along Ann Street, and St. George along Mayfair Court, Beverly Street East, and Main Street South.
September 24	1m CIPP spot repairs along Spencer Street and Ball Street. Includes flushing and CCTV video.
December 4	CIPP top hat liner repair at 12 Ann Street in Paris. Flushing, and CCTV video inspection occurred during the repair. Operations Staff completed the annual replacement of the media of the Mile Hill Odour Control unit.
December 22	Flushing for grease and CCTV Inspection along Marriott Place.

(V) Sewage Pumping Stations

Tables 13-19 detail the calibrations, maintenance and repairs that were completed at the Sewage Pumping Stations within the Paris Collection System in 2025.

TABLE 13–MAINTENANCE AND REPAIRS FOR GRANDVILLE PUMPING STATION

Date	***Work Performed***
June 24	Completed swabbing of Grandville forcemain.
June 30	Annual flow meter calibrations completed by Contractor; no issues noted.
July 30	Bi-annual inspection of SCADA/PLC systems by Contractor.
August 12	Cleaned odour control chemical (bioxide) injector.
September 2	Wet well cleaned.
September 11	Wet well cleaned.
October 3	Contractor completed annual lifting device inspections; no issues to note.
October 15	Contractor on site to clean wet well and vac out debris with vac truck.
October 20	Contractor completed annual generator inspection; oil cooler leaking and contractor recommended immediate replacement, replaced on December 24.
November 4	Wet well cleaned.
November 13	Bi-annual inspection of SCADA/PLC systems by Contractor.

December 3	Contractor inspection of two back flow preventers onsite. Unit that feeds generator-cooling system failed. A temporary line was set up to generator off secondary backflow preventer protected line until repaired on Dec 23.
December 5	Contractor completed clean out of forcemain valve chamber, PRS08001, located in roundabout at Rest Acres Road and Cobblestone Drive.
December 24	Contractor on site replacing Oil Cooler on backup generator.

TABLE 14 –MAINTENANCE AND REPAIRS FOR BRANT 403 BUSINESS PARK PUMPING STATION

Date	***Work Performed***
January 13	Replaced air/vacuum relief valve internal components in manhole on south side of 403 forcemain as the old units vacuum relief port seal failed and it had been slowly leaking. Contents of manhole never entered natural environment and were contained to the chamber. The raw sewage was removed with a vac truck and dumped in the Brant 403 Business Park SPS Wet Well
February 25	Alarm system upgrades completed by Contractor.
April 17-May 22	Alarm system integration issues from upgrades resolved by Contractor. Alarm calls for only SCADA general alarm was being received by operator during weekly check.
July 30	Bi-annual inspection of SCADA/PLC systems by Contractor.
June 30	Annual flow meter calibrations completed by Contractor; No issues noted.
October 8	Forcemain offline for approximately 6 hours due to tie in construction work for new connection on Bethel Road. Sewage hauled by tanker trucks from wet well in Paris WPCP during offline period.
October 20	Contractor completed annual generator inspection; no issues noted.
November 13	Bi-annual inspection of SCADA/PLC systems by Contractor. UPS replaced with new one.
December 3	Contractor inspection of back flow preventer; no issues noted.

TABLE 15 –MAINTENANCE AND REPAIRS FOR GRAND RIVER ST N PUMPING STATION

Date	***Work Performed***
February 25	Alarm system upgrades completed by Contractor.
March 26	Automatic transfer switch (ATS) failed to switch back to grid power during monthly generator testing. Contractor on site to manually reset ATS to transfer SPS back to grid power. New ATS was ordered to replace aging unit.
May 22	Alarm system integration issues resolved by Contractor. Alarms are now classified in their proper zones of the site and on call operator is receiving calls within 1 minute of alarm. Electrical contractor on site to replace ATS with power monitors due to consistent failure.
June 30	Annual flow meter calibrations completed by Contractor; no issues noted.
July 30	Bi-annual inspection of SCADA/PLC systems by Contractor.
August 7	Cleaned wet well
October 3	Contractor completed annual lifting device inspections; no issues noted.
October 20	Contractor completed annual generator inspection; no issues noted.
November 13	Bi-annual inspection of SCADA/PLC systems by Contractor. Uninterrupted Power Supply (UPS) was replaced with new one.
December 3	Contractor inspection of back flow preventers; no issues noted.

TABLE 16 –MAINTENANCE AND REPAIRS FOR WILLOW ST PUMPING STATION

Date	***Work Performed***
April 29	Air exchange louvers failed to open during power outage event. Electrical contractor investigated and found a relay failed; louver manual put to open until relay replaced on Oct 28. New relay was difficult to source due to non-standard controller.

June 23	Completed annual inspection and testing of air relief valves of the north and south forcemains of Willow SPS. Only one forcemain is required to be in service during regular operation. Completed annual switch over forcemains from north to south in operation to ensure both forcemains are in working condition.
June 30	Annual flow meter calibrations completed by Contractor; no issues noted.
July 16	Contractor on site to clean out wet well with vac truck
July 30	Bi-annual inspection of SCADA/PLC systems by Contractor.
October 3	Contractor completed annual lifting device inspections; no issues noted.
October 20	Contractor completed annual generator inspection; no issues noted.
October 28	Station was manually controlled during bypassing section of sewer main downstream for the reconstruction project on Main Street and Ball Street. No issues during bypass.
November 13	Bi-annual inspection of SCADA/PLC systems by Contractor. UPS was replaced with new one.
December 3	Contractor completed annual inspection of back flow preventers; no issues noted.

TABLE 17 –MAINTENANCE AND REPAIRS FOR FAIRVIEW HEIGHTS PUMPING STATION

Date	***Work Performed***
February 25	Alarm system upgrades completed by Contractor
March 12	Cleaned wet well
March 28	Automatic transfer switch failed during monthly generator testing. Wet well pumps would not run automatically after the ATS was disabled. Pump PLC reprogramming required to have pumps operate while ATS is out of service
March 30	Generator and Electrical Contractors on site installing new ATS
April 15	Contractor on site to install power monitoring relays on new ATS
June 30	Annual flow meter calibrations completed by Contractor; no issue to note
July 29	Intermittent Communication issues observed, issues were investigated and communication service and modem replaced on November 18. No further issue to date.
July 30	Bi-annual inspection of SCADA/PLC systems by Contractor
September 19	Natural gas heater found to have cracks in heat exchanger and was taken out of service and replaced on December 10. Portable electric heater inside building until new one installed.
October 3	Contractor completed annual lifting device inspections; no issues to note
October 20	Contractor completed annual generator inspection; no issues to note
November 13	Bi-annual inspection of SCADA/PLC systems by Contractor. UPS was replaced with new one.
December 3	Contractor annual inspection of back flow preventer; no issues to note

TABLE 18 –MAINTENANCE AND REPAIRS FOR PARIS MEADOWS PUMPING STATION

Date	***Work Performed***
March 13	Cleaned wet well
April 7	Contractor on site to re-program wet well level transducer due to issue with reading
June 30	Annual flow meter calibrations completed by Contractor
July 30	Bi-annual inspection of SCADA/PLC systems by Contractor
July 31	During weekly alarm test, pump 1 faulted and wouldn't restart. Faulty fuse found and fixed by Contractor
October 3	Contractor completed annual lifting device inspections; no issues to note
October 20	Contractor completed annual generator inspection; no issues to note
November 13	Bi-annual inspection of SCADA/PLC systems by Contractor. UPS was replaced with a new one.
December 3	Contractor annual inspection of back flow preventer; no issues to note

TABLE 19 –MAINTENANCE AND REPAIRS FOR PARIS GRAND PUMPING STATION

Date	***Work Performed***
March 21	Clean wet well
June 30	Annual flow meter calibrations completed by Contractor; no issues to note
July 9	Contractor completed replacement of odour control chemical (bioxide) dosing pump diaphragms due to issues with pressure during Wet well pump Start-up
July 30	Bi annual inspection of SCADA/PLC systems by third party contractor
September 24	Generator failed upon monthly test, called in third party contractor to investigate. It was determined the batteries were undersized.
September 25	Proper sized generator batteries were installed. Electrical contractors on site investigating fuel relay not opening when trying to start generator. Relay was loose, tightened and tested.
October 3	Contractor completed annual lifting device inspections; No issues to note
October 20	Contractor completed annual generator inspection; no issue to note
November 13	Bi-annual inspection of SCADA/PLC systems by Contractor. UPS was replaced with new one.
December 3	Contractor inspection of back flow preventer; no issues to note

(D) COMPLAINTS

There were no community complaints to report for the Airport, Cainsville, and St. George Sanitary Collections System in 2025.

Table 20 outlines the complaints received for the Paris Collections system 2025:

TABLE 20- COMPLAINTS FOR THE PARIS COLLECTION SYSTEM

Date	***Complaint/Response***
May 7	Resident noticed odour from a manhole on Hillside Ave. Operations staff were in the area at the time of complaint and didn't notice anything unusual. Odour loggers were distributed in area to monitor in case odour occurs again.
August 31	Resident on Hillside Ave asking for assistance in regards to sewage smell outside on their street. Smell is consistent and they are concerned with health risks associated with breathing in the gases. It was suggested to the resident to contact a plumber to inspect their house drains. Operations staff investigated functionality of odour control units and sewage pumping stations in the collections system that dose chemical to help mitigate the odours. Upon investigating one of the pump stations, it was found that the wet well had a buildup of scum in it where the odour reducing chemical is to be dosed. Odour loggers also indicated odour spikes when the data was reviewed. Operations staff cleaned wet well and increased chemical pumps at the sewage pumping stations in order to reduce odours.
September 1	Resident on Hillside Ave (area of 140 to 130) complained about sewage smell daily and are unable to enjoy sitting in their back yard. Refer to operation staff investigation from August 31 complaint.
September 2	Resident on Hillside Ave (area of 140 to 130) complained about sewage smell occurring daily. Refer to operation staff investigation from August 31 complaint.
September 18	Resident on Hillside Ave (area of 140 to 130) complained sewer smell is awful. Operation staff made adjustments to odour control units in order to help manage H_2S generation in the collection system.

October 16	Resident on Gilston Way (area of 1 to 10) complained odours were bad, particularly on Oct 1, 4, 9, 10, 12, and 13 and in the areas of Gilston Way, Willow St Bridge, Hillside Ave and Race St. Operations staff investigated odour control units, removed odour loggers to review data. Odour logger data indicated a slight odour issue near Hillside Ave but otherwise nothing else was found. Bioxide dosing was inspected with no issues found.
November 4	Resident on Hillside Ave (area of 140 to 130) complained of sewage smell outside all day. Operations staff had replaced the odour control media the day prior to this complaint, which would have caused odours due to odour control unit being shut down to replace media.
December 12	Resident called Fire Department to report natural gas/ sewer odour outside on Hillside Ave. Operations staff increased bioxide dosage at Paris Meadows SPS to help manage H_2S generation in the collection system.

(E) ALTERATIONS

There were no alterations to the Airport, Cainsville and St. George Collection Systems in 2025.

The alterations to the Paris Collection System in 2025 are listed in Table 21 below which also indicates if the alteration poses a Significant Drinking Water Threat (SDWT). Alteration posing a SDWT were determined using the "Threat Circumstances" screening criteria.

In accordance with CLI-ECA 062-W601 Schedule E - 7.3 of the CLI-ECA an update to the "Significant Drinking Water Threat Assessment Report for Proposed Alterations" was prepared by Cambium Inc. (Risk Management Official for the County) which was finalized on December 12, 2025. The "Significant Drinking Water Threat Assessment Report for Proposed Alterations" includes "Threat Circumstances" screening criteria when reviewing projects for SDWT.

SDWTs are identified for projects in the following vulnerable areas:

1. Wellhead Protection Area (WHPA) A and B, vulnerability score (VS) 10; and
2. WHPA-E (VS 8, 9, and 10); and
3. Intake Protection Zone (IPZ) 1, (VS 8, 9, and 10);
4. IPZ-2 (VS 8 and 9); and,
5. IPZ-3 (VS 8).

The alterations were constructed in accordance with the *"Ministry of the Environment, Conservation and Parks (MECP) Design Criteria for Sanitary Sewers, Storm Sewers and Forcemains for Alterations Authorized under an Environmental Compliance Approva*l" which includes measures required when infrastructure is constructed which could pose a Potential SDWT.

TABLE 21 – SUMMARY OF SEPARATE SEWERS/NOMINALLY SEPARATE SEWERS/FORCEMAIN ALTERATIONS (FORM SS1)

Description	*CLI ECA Form SS1 – Part 5 Completion Date*	*Potential SDWT*
Hillside Ave and Races Street Replacement of sewers between #133 Hillside Ave and Races Street with 675mm sewer and Race Street from Hillside Ave to Paris WPCP with 1050mm sewer	2025/03/24	Yes IPZ2(9)
Paris Grand Subdivision Phase 1B Installation of approx. 1400mm of new sewers ranging from 200mm to 300mm dia.	2025/09/02	Yes IPZ3(8)
Scenic Ridge Subdivision Phase 3A and 3B Installation of approx. 1500mm of new sewers ranging from 150mm to 200mm dia.	2025/05/02	No

TABLE 22 – SUMMARY OF COMPONENTS OF MUNICIPAL SEWAGE SYSTEM ALTERATIONS (FORM SS2)

Description	*CLI ECA Form Director Notification (DN) Issued Date*	*Potential SDWT*
None in 2025		

TABLE 23 – SUMMARY OF EQUIPMENT DISCHARGING A CONTAINMENT OF CONCERN TO THE ATMOSPHERE FROM A MUNICIPAL SEWAGE COLLECTION SYSTEM ALTERATION (FORM A1)

Description	*CLI ECA Form Director Notification (DN) Issued Date*	*Potential SDWT*
None in 2025		

(F) OVERFLOWS AND SPILLS

There were no overflows to report for the Airport, Cainsville, Paris and St. George Collection Systems in 2025.

A spill event occurred on July 24, 2025 at the Airport Collection System. Third party contractors were working on the sanitary main near 190 Aviation Ave when their excavator struck the main. A sample of the spill was taken and sent out for analysis. The contractors replaced the broken section of the sanitary main. Approximately 2 m^3 of sewage was redirected to a downstream manhole to be treated at the Airport Sewage Treatment Facility. All applicable notifications of the spill were made and samples collected as required by the Environmental Compliance Approval (ECA). Details of the event can be found in *Appendix B.*

A spill event occurred on October 8^t, 2025 at the Paris Collection System at manhole PRS 03016. The manhole contains a valve to control the Brant 403 Business Park forcemain. The forcemain was required to be isolated for the planned construction. The valve that was thought to be an isolation valve, was a drain valve. Opening this valve resulted in the release of the forcemain contents into the chamber of manhole PRS 03016 and overflowed into the roadside ditch. The Contractors that were set up at a manhole 20 metres away, to accommodate the pumping station bypass for forcemain work, were able to mobilize their by-pass pumps and tanker trucks to the spill. Approximately 300 L spilled into a storm ditch catch basin which leads to the Brant 403 Business Park storm water retention pond. Two tanker truck loads were pumped from the chamber, approximately 90 m^3 and was offloaded back into the Paris Collection System downstream of the forcemain. A sample of the spill was taken from the manhole PRS 03016 and sent out for analysis. All applicable notifications of the spill were made and samples collected as required by the Environmental Compliance Approval (ECA). Full details of the event can be found in *Appendix B.*

(G) EFFORTS MADE TO REDUCE OVERFLOWS, SPILLS AND BYPASSES

Below is a summary of the efforts made to achieve conformance within the Collection System with MECP Procedure F-5-1 (Treatment Requirements). This is including but not limited to projects undertaken and completed in the sanitary sewer system that result in overall bypass/overflow elimination including expenditures and proposed projects to eliminate bypass/overflows with estimated budget forecast for the year following that for which the report is submitted.

(1) Airport Collection System

The County of Brant carries out the following activities:

- CCTV flushing and camera inspections with 50% of the system completed every three (3) years, and the entire system completed at the end of the sixth (6) year. The cost of the Annual CCTV Inspection Program is approximately $3,500.
- Manhole inspections are completed on a six (6) year rotation similar to the CCTV inspections.

The data collected is utilized to determine areas requiring maintenance, repair or additional investigation.

(2) Cainsville Collection System

The County of Brant carries out the following activities:

- CCTV flushing and camera inspections with 33 % of the system completed every other year, and the entire system completed at end of the sixth (6) years. The cost of the Annual CCTV Inspection Program is approximately $8,000
- Manhole inspections are completed on a six (6) year rotation similar to the CCTV inspections.

The data collected is utilized to determine areas requiring maintenance, repair or additional investigation.

Additionally, the County of Brant has installed 2 SmartCovers™ liquid level manhole monitors in the Cainsville Sanitary Collection System in 2023. These smart covers are located in strategic manholes that essentially section the collection system of Cainsville into two (2) monitoring zones.

- CNV1020 (North)
- CNV1025 (South)

These Smart Covers are capable of measuring liquid levels in the collection system, trending data, and allow for further interpretation and analysis to better quantify Inflow & Infiltration (I&I) issues after rain events along with pin pointing locations where I&I is more pronounced. The information gathered will allow for interpretation of results and applying this knowledge in the field to correct issues with Manholes or address drainage inconsistencies. The initial costs for these monitors were approximately $25,000 and $2,500 annually thereafter.

(3) Paris Collection System

The County of Brant carriers out the following on an annual basis:

- CCTV flushing and camera inspections with 16.7% of the system completed each year, with the entire system completed at the end of the sixth (6) year. The cost of the Annual CCTV Inspection Program is approximately $80,000.
- Manhole inspections are completed on a six (6) year rotation similar to the CCTV inspections.
- Flow monitoring and trending at all pump stations.

The data collected is utilized to determine areas requiring maintenance, repair or additional investigation.

(4) St. George Collection System

The County of Brant carries out the following activities:

- CCTV flushing and camera inspections with 16.7% of system completed each year, with the entire system completed at the end of the sixth (6) year. The annual cost of CCTV inspections is approximately $18,000.
- Manhole inspections are completed on a six (6) year rotation similar to the CCTV inspections.

The data collected is utilized to determine areas requiring maintenance/repair or additional investigation.

The County of Brant has installed 4 SmartCovers™ liquid level manhole monitors in the St. George Sanitary Collection System in 2020. These smart covers are located in strategic manholes that essentially section the town of St. George into 4 monitoring zones.

- STG01063 (North East Area)
- STG01030 (West Side)
- STG00126 (Central Corridor)
- STG01106 (Combination of the 3 above)

These Smart Covers are capable of measuring liquid levels in the collection system, trending data, and allow for further interpretation and analysis to better quantify Inflow & Infiltration (I&I) after rain events along with pin pointing locations where I&I is more pronounced. The information gathered will allow for interpretation of results and applying this knowledge in the field to correct issues with Manholes or address drainage inconsistencies. The initial costs for these monitors were approximately $25,000 and $2,500 annually thereafter.

(H). SPS Overflow Quality Assurance and Control Measures

There were no overflow events in the Airport, Cainsville, St. George, or Paris collections systems during the 2025 reporting period.

APPENDIX A

CALIBRATION REPORTS

Certificate of Calibration

Electro-Magnetic Flow Meter

JBF CONTROLS LTD.
595758 Hwy 59 North RR6
Woodstock, ON. N4S 7W1
Ph#: 519-535-9835
Email: Jfranssen@jbfcontrols.com

☑ Verification
☐ Calibration

Calibration Date: June 30, 2025
Due Date: June 30, 2026

Client Information
Ontario Clean Water Agency - Southwest Region / Paris Cluster
120 Race Street,
Paris, Ontario, N3L 3X2

SCADA Reading Confirmation		
Instrument	SCADA	% Deviation
0.000	0.000	0.000%

Project:	OCWA202201	Manufacturer:	Endress & Hauser	As Found:	0.000 m3/Day
Client:	OCWA	Transmitter Model:	Promag 53	As Left:	0.000 m3/Day
Client Contact:	Ben Madill	Transmitter S/N:	JA1BBE19000	Totalizer Reading:	621459.2 m3
Location:	Paris	Flow Tube Model:	Promag W	K-Factor:	1.0704
Facility:	Fairview Heights SPS	Flow Tube S/N:	JA1BBE19000	Current Output (mA):	4 to 20
Technician:	Jeremy Franssen	Pipe Material:	Stainless Steel	Flow Range:	0 to 3271
Meter Purpose:	SPS Flow	Meter Size:	6"	Units:	m3/Day
Application:	Waste Water	Tag Number:	**FIT 312900**	Accuracy:	0.50% Reading

mA Output

Reference: mA	As Found: mA	% Deviation	As Left: mA	% Deviation	PASS/FAIL
4.000	3.998	0.012%	3.998	0.012%	PASS
8.000	7.997	0.019%	7.997	0.019%	PASS
12.000	11.997	0.019%	11.997	0.019%	PASS
16.000	15.996	0.025%	15.996	0.025%	PASS
20.000	19.995	0.031%	19.995	0.031%	PASS

Flow Rate Output

Reference: m3/Da	As Found: m3/D	% Deviation	As Left: m3/Da	% Deviation	PASS/FAIL
0.000	-0.409	0.012%	-0.409	0.012%	PASS
817.750	817.137	0.019%	817.137	0.019%	PASS
1635.500	1634.887	0.019%	1634.887	0.019%	PASS
2453.250	2452.432	0.025%	2452.432	0.025%	PASS
3271.000	3269.978	0.031%	3269.978	0.031%	PASS

Remarks:
Verification of Flow Meter Parameters. Confirm, OK.
Verification of 4-20 mA Output, Confirm, OK.
Verification of Instrument to SCADA Readings, Confirm, OK.
Cleaned and Certified

Calibration Standards Used

Description	Serial n°	Certificate n°	Calibration Date	Due Date
Fluke 705 Loop Calibrator	**4624185**	**59234-B**	**April 2025**	**April 2026**

Calibration standards used in the certificate are traceable to the National Institute of Standards and Technology (NIST).

Service Technician: Jeremy Franssen
Signature

This certificate shall not be reproduced except in full. Version 1.0

Certificate of Calibration — Electro-Magnetic Flow Meter

JBF CONTROLS LTD.
595758 Hwy 59 North RR6
Woodstock, ON. N4S 7W1
Ph#: 519-535-9835
Email: Jfranssen@jbfcontrols.com

☑ Verification
☐ Calibration
Calibration Date: July 2, 2025
Due Date: July 2, 2026

Client Information
Ontario Clean Water Agency - Southwest Region / Paris Cluster
120 Race Street,
Paris, Ontario, N3L 3X2

SCADA Reading Confirmation		
Instrument	SCADA	% Deviation
0.000	0.000	0.000%

Project:	OCWA202201	Manufacturer:	ABB	As Found:	33.270 L/s
Client:	OCWA	Transmitter Model:	Watermaster	As Left:	0.000 L/s
Client Contact:	Ben Madill	Transmitter S/N:	3K620000374379	Totalizer Reading:	53954 m3
Location:	Paris	Flow Tube Model:	WM Full Bore	K-Factor:	1
Facility:	Bethel SPS	Flow Tube S/N:	3K620000374379	Current Output (mA):	4 to 20
Technician:	Jeremy Franssen	Pipe Material:	Stainless Steel	Flow Range:	0 to 100
Meter Purpose:	SPS Flow	Meter Size:	8"	Units:	L/s
Application:	Waste Water	Tag Number:	**FIT 387737**	Accuracy:	0.50% Reading

mA Output

Reference: mA	As Found: mA	% Deviation	As Left: mA	% Deviation	PASS/FAIL
4.000	3.998	0.012%	3.998	0.012%	PASS
8.000	7.987	0.081%	7.987	0.081%	PASS
12.000	11.982	0.113%	11.982	0.113%	PASS
16.000	15.984	0.100%	15.984	0.100%	PASS
20.000	19.993	0.044%	19.993	0.044%	PASS

Flow Rate Output

Reference: L/s	As Found: L/s	% Deviation	As Left: L/s	% Deviation	PASS/FAIL
0.000	-0.012	0.012%	-0.012	0.012%	PASS
25.000	24.919	0.081%	24.919	0.081%	PASS
50.000	49.888	0.113%	49.888	0.113%	PASS
75.000	74.900	0.100%	74.900	0.100%	PASS
100.000	99.956	0.044%	99.956	0.044%	PASS

Remarks:
Verification of Flow Meter Parameters. Confirm, OK.
Verification of 4-20 mA Output, Confirm, OK.
Verification of Instrument to SCADA Readings, Confirm, OK.
Cleaned and Certified

Calibration Standards Used

Description	Serial n°	Certificate n°	Calibration Date	Due Date
Fluke 705 Loop Calibrator	**4624185**	**59234-B**	**April 2025**	**April 2026**

Calibration standards used in the certificate are traceable to the National Institute of Standards and Technology (NIST).

Service Technician: Jeremy Franssen
Signature

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Version 1.0

Certificate of Calibration

Electro-Magnetic Flow Meter

JBF CONTROLS LTD.
595758 Hwy 59 North RR6
Woodstock, ON. N4S 7W1
Ph#: 519-535-9835
Email: Jfranssen@jbfcontrols.com

☑ Verification
☐ Calibration

Calibration Date: June 30, 2025
Due Date: June 30, 2026

Client Information
Ontario Clean Water Agency - Southwest Region / Paris Cluster
120 Race Street,
Paris, Ontario, N3L 3X2

SCADA Reading Confirmation		
Instrument	SCADA	% Deviation
3433.500	3433.500	0.000%

Project:	OCWA202201	Manufacturer:	Endress & Hauser	As Found:	3433.500 m3/Day
Client:	OCWA	Transmitter Model:	Promag 53	As Left:	3433.500 m3/Day
Client Contact:	Ben Madill	Transmitter S/N:	JB084F16000	Totalizer Reading:	3063033 m3
Location:	Paris	Flow Tube Model:	Promag W	K-Factor:	1.0021
Facility:	Grand River SPS	Flow Tube S/N:	JB084F16000	Current Output (mA):	4 to 20
Technician:	Jeremy Franssen	Pipe Material:	Stainless Steel	Flow Range:	0 to 19624
Meter Purpose:	SPS Flow	Meter Size:	14"	Units:	m3/Day
Application:	Waste Water	Tag Number:	**FIT 312891**	Accuracy:	0.50% Reading

mA Output

Reference: mA	As Found: mA	% Deviation	As Left: mA	% Deviation	PASS/FAIL
4.000	3.997	0.019%	3.997	0.019%	PASS
8.000	7.995	0.031%	7.995	0.031%	PASS
12.000	11.993	0.044%	11.993	0.044%	PASS
16.000	15.990	0.062%	15.990	0.062%	PASS
20.000	19.988	0.075%	19.988	0.075%	PASS

Flow Rate Output

Reference: m3/Da	As Found: m3/D	% Deviation	As Left: m3/Da	% Deviation	PASS/FAIL
0.000	-3.680	0.019%	-3.680	0.019%	PASS
4906.000	4899.868	0.031%	4899.868	0.031%	PASS
9812.000	9803.415	0.044%	9803.415	0.044%	PASS
14718.000	14705.735	0.062%	14705.735	0.062%	PASS
19624.000	19609.282	0.075%	19609.282	0.075%	PASS

Remarks:
Verification of Flow Meter Parameters. Confirm, OK.
Verification of 4-20 mA Output, Confirm, OK.
Verification of Instrument to SCADA Readings, Confirm, OK.
Cleaned and Certified

Calibration Standards Used

Description	Serial n°	Certificate n°	Calibration Date	Due Date
Fluke 705 Loop Calibrator	**4624185**	**59234-B**	**April 2025**	**April 2026**

Calibration standards used in the certificate are traceable to the National Institute of Standards and Technology (NIST).

Service Technician: Jeremy Franssen
Signature

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Version 1.0

Certificate of Calibration

Electro-Magnetic Flow Meter

JBF CONTROLS LTD.
595758 Hwy 59 North RR6
Woodstock, ON. N4S 7W1
Ph#: 519-535-9835
Email: Jfranssen@jbfcontrols.com

☑ Verification
☐ Calibration
Calibration Date: June 30, 2025
Due Date: June 30, 2026

Client Information
Ontario Clean Water Agency - Southwest Region / Paris Cluster
120 Race Street,
Paris, Ontario, N3L 3X2

SCADA Reading Confirmation		
Instrument	SCADA	% Deviation
0.000	0.000	0.000%

Project:	OCWA202201	Manufacturer:	Siemens	As Found:	0.000 L/s
Client:	OCWA	Transmitter Model:	Sitrans MAG 6000	As Left:	0.000 L/s
Client Contact:	Ben Madill	Transmitter S/N:	N1MN035072	Totalizer Reading:	108106 m3
Location:	Paris	Flow Tube Model:	MAG 5100W	K-Factor:	16.31485
Facility:	Grand SPS	Flow Tube S/N:	PBD-MD224565	Current Output (mA):	4 to 20
Technician:	Jeremy Franssen	Pipe Material:	Stainless Steel	Flow Range:	0 to 50
Meter Purpose:	SPS Flow	Meter Size:	6"	Units:	L/s
Application:	Waste Water	Tag Number:	**FIT 101**	Accuracy:	0.50% Reading

mA Output

Reference: mA	As Found: mA	% Deviation	As Left: mA	% Deviation	PASS/FAIL
4.000	3.999	0.006%	3.999	0.006%	PASS
8.000	7.998	0.012%	7.998	0.012%	PASS
12.000	11.997	0.019%	11.997	0.019%	PASS
16.000	15.997	0.019%	15.997	0.019%	PASS
20.000	19.990	0.063%	19.990	0.063%	PASS

Flow Rate Output

Reference: L/s	As Found: L/s	% Deviation	As Left: L/s	% Deviation	PASS/FAIL
0.000	-0.003	0.006%	-0.003	0.006%	PASS
12.500	12.494	0.012%	12.494	0.012%	PASS
25.000	24.991	0.019%	24.991	0.019%	PASS
37.500	37.491	0.019%	37.491	0.019%	PASS
50.000	49.969	0.063%	49.969	0.063%	PASS

Remarks:
Verification of Flow Meter Parameters. Confirm, OK.
Verification of 4-20 mA Output, Confirm, OK.
Verification of Instrument to SCADA Readings, Confirm, OK.
Cleaned and Certified

Calibration Standards Used

Description	Serial n°	Certificate n°	Calibration Date	Due Date
Fluke 705 Loop Calibrator	**4624185**	**59234-B**	**April 2025**	**April 2026**

Calibration standards used in the certificate are traceable to the National Institute of Standards and Technology (NIST).

Service Technician: Jeremy Franssen
Signature

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Version 1.0

Certificate of Calibration

Electro-Magnetic Flow Meter

JBF CONTROLS LTD.
595758 Hwy 59 North RR6
Woodstock, ON. N4S 7W1
Ph#: 519-535-9835
Email: Jfranssen@jbfcontrols.com

☑ Verification
☐ Calibration

Calibration Date: July 2, 2025
Due Date: July 2, 2026

Client Information
Ontario Clean Water Agency - Southwest Region / Paris Cluster
120 Race Street,
Paris, Ontario, N3L 3X2

SCADA Reading Confirmation		
Instrument	SCADA	% Deviation
0.000	0.000	0.000%

Project:	OCWA202201	Manufacturer:	Endress & Hauser	As Found:	0.000 m3/Day
Client:	OCWA	Transmitter Model:	Promag 53	As Left:	0.000 m3/Day
Client Contact:	Ben Madill	Transmitter S/N:	K2026319000	Totalizer Reading:	944460 m3
Location:	Paris	Flow Tube Model:	Promag W	K-Factor:	1.0722
Facility:	Granville SPS	Flow Tube S/N:	K2026319000	Current Output (mA):	4 to 20
Technician:	Jeremy Franssen	Pipe Material:	Stainless Steel	Flow Range:	0 to 8640
Meter Purpose:	SPS Flow	Meter Size:	6"	Units:	m3/Day
Application:	Waste Water	Tag Number:	**FIT 312873**	Accuracy:	0.50% Reading

mA Output

Reference: mA	As Found: mA	% Deviation	As Left: mA	% Deviation	PASS/FAIL
4.000	3.998	0.012%	3.998	0.012%	PASS
8.000	7.996	0.025%	7.996	0.025%	PASS
12.000	11.995	0.031%	11.995	0.031%	PASS
16.000	15.993	0.044%	15.993	0.044%	PASS
20.000	19.991	0.056%	19.991	0.056%	PASS

Flow Rate Output

Reference: m3/Da	As Found: m3/D	% Deviation	As Left: m3/Da	% Deviation	PASS/FAIL
0.000	-1.080	0.012%	-1.080	0.012%	PASS
2160.000	2157.840	0.025%	2157.840	0.025%	PASS
4320.000	4317.300	0.031%	4317.300	0.031%	PASS
6480.000	6476.220	0.044%	6476.220	0.044%	PASS
8640.000	8635.140	0.056%	8635.140	0.056%	PASS

Remarks:
Verification of Flow Meter Parameters. Confirm, OK.
Verification of 4-20 mA Output, Confirm, OK.
Verification of Instrument to SCADA Readings, Confirm, OK.
Cleaned and Certified

Calibration Standards Used

Description	Serial n°	Certificate n°	Calibration Date	Due Date
Fluke 705 Loop Calibrator	**4624185**	**59234-B**	**April 2025**	**April 2026**

Calibration standards used in the certificate are traceable to the National Institute of Standards and Technology (NIST).

Service Technician: Jeremy Franssen
Signature

This certificate shall not be reproduced except in full.

Version 1.0

Certificate of Calibration — Electro-Magnetic Flow Meter

JBF CONTROLS LTD.
595758 Hwy 59 North RR6
Woodstock, ON. N4S 7W1
Ph#: 519-535-9835
Email: Jfranssen@jbfcontrols.com

☑ Verification
☐ Calibration
Calibration Date: July 2, 2025
Due Date: July 2, 2026

Client Information
Ontario Clean Water Agency - Southwest Region / Paris Cluster
120 Race Street,
Paris, Ontario, N3L 3X2

SCADA Reading Confirmation		
Instrument	SCADA	% Deviation
0.000	0.000	0.000%

Project:	OCWA202201	Manufacturer:	Endress & Hauser	As Found:	0.000 L/s
Client:	OCWA	Transmitter Model:	Promag 400	As Left:	0.000 L/s
Client Contact:	Ben Madill	Transmitter S/N:	RC06EC16000	Totalizer Reading:	104665.5 m3
Location:	Paris	Flow Tube Model:	Promag W	K-Factor:	1.1507
Facility:	Meadows SPS	Flow Tube S/N:	RC06EC16000	Current Output (mA):	4 to 20
Technician:	Jeremy Franssen	Pipe Material:	Stainless Steel	Flow Range:	0 to 120
Meter Purpose:	SPS Flow	Meter Size:	8"	Units:	L/s
Application:	Waste Water	Tag Number:	**FIT 358696**	Accuracy:	0.50% Reading

mA Output

Reference: mA	As Found: mA	% Deviation	As Left: mA	% Deviation	PASS/FAIL
4.000	4.005	0.031%	4.005	0.031%	PASS
8.000	8.004	0.025%	8.004	0.025%	PASS
12.000	12.003	0.019%	12.003	0.019%	PASS
16.000	16.013	0.081%	16.013	0.081%	PASS
20.000	20.010	0.063%	20.010	0.063%	PASS

Flow Rate Output

Reference: L/s	As Found: L/s	% Deviation	As Left: L/s	% Deviation	PASS/FAIL
0.000	0.037	0.031%	0.037	0.031%	PASS
30.000	30.030	0.025%	30.030	0.025%	PASS
60.000	60.023	0.019%	60.023	0.019%	PASS
90.000	90.098	0.081%	90.098	0.081%	PASS
120.000	120.075	0.063%	120.075	0.063%	PASS

Remarks:
Verification of Flow Meter Parameters. Confirm, OK.
Verification of 4-20 mA Output, Confirm, OK.
Verification of Instrument to SCADA Readings, Confirm, OK.
Cleaned and Certified

Calibration Standards Used

Description	Serial n°	Certificate n°	Calibration Date	Due Date
Fluke 705 Loop Calibrator	**4624185**	**59234-B**	**April 2025**	**April 2026**

Calibration standards used in the certificate are traceable to the National Institute of Standards and Technology (NIST).

Service Technician: Jeremy Franssen
Signature

Version 1.0

Certificate of Calibration

Electro-Magnetic Flow Meter

JBF CONTROLS LTD.
595758 Hwy 59 North RR6
Woodstock, ON. N4S 7W1
Ph#: 519-535-9835
Email: Jfranssen@jbfcontrols.com

☑ Verification
☐ Calibration

Calibration Date: June 30, 2025
Due Date: June 30, 2026

Client Information
Ontario Clean Water Agency - Southwest Region / Paris Cluster
120 Race Street,
Paris, Ontario, N3L 3X2

SCADA Reading Confirmation		
Instrument	SCADA	% Deviation
77.670	77.670	0.000%

Project:	OCWA202201	Manufacturer:	Krohne	As Found:	77.590 L/s
Client:	OCWA	Transmitter Model:	UFC300	As Left:	77.670 L/s
Client Contact:	Ben Madill	Transmitter S/N:	A07 67327	Totalizer Reading:	96693.876 m3
Location:	Paris	Flow Tube Model:	N/A	K-Factor:	N/A
Facility:	Willow STS	Flow Tube S/N:	N/A	Current Output (mA):	4 to 20
Technician:	Jeremy Franssen	Pipe Material:	Stainless Steel	Flow Range:	0 to 300
Meter Purpose:	RAS Flow	Meter Size:	16"	Units:	L/s
Application:	Waste Water	Tag Number:	**FIT 248317**	Accuracy:	0.50% Reading

mA Output

Reference: mA	As Found: mA	% Deviation	As Left: mA	% Deviation	PASS/FAIL
4.000	3.991	0.056%	3.991	0.056%	PASS
8.000	7.991	0.056%	7.991	0.056%	PASS
12.000	11.992	0.050%	11.992	0.050%	PASS
16.000	15.994	0.038%	15.994	0.038%	PASS
20.000	19.994	0.038%	19.994	0.038%	PASS

Flow Rate Output

Reference: L/s	As Found: L/s	% Deviation	As Left: L/s	% Deviation	PASS/FAIL
0.000	-0.169	0.056%	-0.169	0.056%	PASS
75.000	74.831	0.056%	74.831	0.056%	PASS
150.000	149.850	0.050%	149.850	0.050%	PASS
225.000	224.888	0.038%	224.888	0.038%	PASS
300.000	299.888	0.038%	299.888	0.038%	PASS

Remarks:
Verification of Flow Meter Parameters. Confirm, OK.
Verification of 4-20 mA Output, Confirm, OK.
Verification of Instrument to SCADA Readings, Confirm, OK.
Cleaned and Certified

Calibration Standards Used

Description	Serial n°	Certificate n°	Calibration Date	Due Date
Fluke 705 Loop Calibrator	**4624185**	**59234-B**	**April 2025**	**April 2026**

Calibration standards used in the certificate are traceable to the National Institute of Standards and Technology (NIST).

Service Technician: Jeremy Franssen
Signature

This certificate shall not be reproduced except in full.

Version 1.0

Certificate of Calibration

Open Channel Flow Meter

JBF CONTROLS LTD.
595758 Hwy 59 North RR6
Woodstock, ON. N4S 7W1
Ph#: 519-535-9835
Email: Jfranssen@jbfcontrols.com

☑ Verification
☐ Calibration

Calibration Date: June 30, 2025
Due Date: June 30, 2026

Client Information

Ontario Clean Water Agency - Southwest Region / Paris Cluster
120 Race Street,
Paris, Ontario, N3L 3X2

SCADA Reading Confirmation		
Instrument	SCADA	% Deviation
0.000	0.000	0.000%

Project:	OCWA202201	Manufacturer:	Siemens	As Found:	0.000 L/s
Client:	OCWA	Transmitter Model:	OCM III	As Left:	0.000 L/s
Client Contact:	Ben Madill	Transmitter S/N:	081803102XV	Totalizer Reading:	2087 m3
Location:	Paris	Transducer Model:	XRS-5	K-Factor:	N/A
Facility:	Willow STS	Transducer S/N:	N/A	Current Output (mA):	4 to 20
Technician:	Jeremy Franssen	OCM Device Type:	Rectangular Weir	Flow Range:	0 to 9806.6100
Meter Purpose:	Effluent Flow	OCM Device Size:	1.5	Units:	L/s
Application:	Waste Water	Tag Number:	**FIT 248314**	Accuracy:	2.00% Reading

mA Output

Reference: mA	As Found: mA	% Deviation	As Left: mA	% Deviation	PASS/FAIL
4.000	4.013	0.081%	4.013	0.081%	PASS
8.000	8.009	0.056%	8.009	0.056%	PASS
12.000	12.007	0.044%	12.007	0.044%	PASS
16.000	16.002	0.012%	16.002	0.012%	PASS
20.000	19.999	0.006%	19.999	0.006%	PASS

Flow Rate Output

Reference: m	Measured: m	Calc. Flow L/s	Display Reading L/s	Calculated: mA	Measured: mA	% Deviation	Result
0.000	0.000	0.000	0.000	4	4.013	0.000%	PASS

Parameters		
P1	Dimensional units	m
P2	Temperature Units	Celcius
P3	Primary Element	Rectangular Weir (Contract
P4	Method of Calculation	Absolute
P5	Flow Rate Units	L/s
P6	Flow at Max Head	9806.61
P7	Height of Max Head	0.25
U0	Crest Width:	1.5
P24	mA Assignment	Flow rate
P26	mA Span	4-20mA
P32	Totalizer Multiplier	x1000
P42	Head Determination	OCM III

Parameters		
P45	Low Flow Cut-off	0
P46	Range at Zero Head	1.947
P47	Blanking Distance	0.304826

Relays			
Parameter	P15	P16	P17
Relay 1	0	-	-
Parameter	P18	P19	P20
Relay 2	0	-	-
Parameter	P21	P22	P23
Relay 3	0	-	-

Remarks:
Verification of Flow Meter Parameters. Confirm, OK.
Verification of 4-20 mA Output, Confirm, OK.
Verification of Instrument to SCADA Readings, Confirm, OK.
Cleaned and Certified

Ratiometric Calculation
$Q=K(L-0.2H)H^{1.5}$
$Q=1838(1.5-0.2(0))0^{1.9}$
Q=0 L/s

Calibration Standards Used

Description	Serial n°	Certificate n°	Calibration Date	Due Date
Fluke 705 Loop Calibrator	**4624185**	**59234-B**	**April 2025**	**April 2026**

Calibration standards used in the certificate are traceable to the National Institute of Standards and Technology (NIST).

Service Technician: Jeremy Franssen
Signature

This certificate shall not be reproduced except in full.

Version 1.0

APPENDIX B

NOTIFICATIONS OF SPILLS TO MECP

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Southwest Region
450 Sunset Drive Suite 370,
St. Thomas, ON N5R 5V1

July 29, 2025

Aaron Todd
District Manager
Guelph District Office
Ministry of the Environment, Conservation and Parks
GuelphWasteWater@ontario.ca

Re: Notification of Sanitary Main Spill Event - Ref#1-P7K84B

This notification, in relation to the Airport collections system located at 38 Greens Road, Brant County, ON, is being submitted in accordance with the duties to notify and report spill events under CLI-ECA #062-W601 (Issued January 14, 2022) Schedule E, Section 4.3.

This formal written notice confirms the verbal notification provided on July 24, 2025 to the Ontario Ministry of the Environment, Conservation and Parks Spills Action Centre (Reference #1-P7K84B). For additional information see the attached notification report.

Details of the Incident and Actions Taken:

At approximately 0900 on July 24, 2025, the construction contractor working at 190 Aviation Ave in Brant County struck a sanitary main with their excavator. The leak was confirmed to be sewage and a sample was collected and sent to an accredited lab for analysis.

The sewage was contained to the excavation site, sand bags were utilized in the upstream manhole to prevent additional flow and a pump was used to move the contained sewage to a manhole downstream of the break - resulting in no adverse effects to the environment. Approximately 4.5m of 300mm diameter concrete pipe was removed and replaced with 4.5m of 300mm diameter PVC pipe. As of 1140, the new PVC pipe was installed, tested and put back into service. The duration of this event was 2 hours and 35 minutes with approximately $2m^3$ of sewage being redirected to a downstream manhole to be treated at the Airport Sewage Treatment Facility. Notifications were provided to the owner of the system (Brant County).

If you have any questions or concerns, please contact me at 519-718-2953 or by email.

Sincerely,

Allison Billingsley
Process & Compliance Technician
Ontario Clean Water Agency – Southwest Region - Paris Cluster

cc: Sam Sianas, Regional Hub Manager (OCWA)
Ben Madill, Senior Operations Manager (OCWA)
Meagan Lowden, Safety, Process and Compliance Manager (OCWA)
Andrea Bazzard – Director of Environmental Services, County of Brant
Matthew D'Hondt – Solid Waste/Wastewater Operations Manager, County of Brant
Ivanna Okroukh – Water Compliance Officer, MECP
environmentalhealth@geph.ca

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

Works #: NR-150003242
Project : PO#017018

30-July-2025

OCWA-Brant (Airport)
Attn : Meagan Lowden

120 Race St.
paris, ON
N3L 3X2, Canada

Phone: 226-387-1292
Fax:

Date Rec. : 25 July 2025
LR Report: **CA15495-JUL25**

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	7: Airport Spill Event - Grab
Sample Date & Time					24-Jul-25 10:00
Temperature Upon Receipt [°C]	---	---	---	---	18.0
Biochemical Oxygen Demand (BOD5) [mg/L]	25-Jul-25	17:20	30-Jul-25	13:36	59
Total Suspended Solids [mg/L]	29-Jul-25	12:58	30-Jul-25	13:22	53
Phosphorus (total) [mg/L]	28-Jul-25	20:04	30-Jul-25	11:13	3.60
Total Kjeldahl Nitrogen [as N mg/L]	28-Jul-25	16:37	29-Jul-25	13:08	36.4
E. Coli [mpn/100mL]	25-Jul-25	14:15	28-Jul-25	12:16	770100

Hawley Anderson, Hon.B.Sc
Project Specialist,
Environment, Health & Safety

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

Southwest Region
450 Sunset Drive Suite 370,
St. Thomas, ON N5R 5V1

October 16, 2025

Aaron Todd
District Manager
Guelph District Office
Ministry of the Environment, Conservation and Parks
GuelphWasteWater@ontario.ca

Re: Notification of Sanitary Main Spill Event - Ref#1-PLWVQ4

This notification, in relation to the County of Brant Sewage Collections system near the site of 99 Bethel Road, Brant County, ON, is being submitted in accordance with the duties to notify and report spill events under CLI-ECA #062-W601 (Issued January 14, 2022) Schedule E, Section 4.3.

This formal written notice confirms the verbal notification provided on October 8, 2025 to the Ontario Ministry of the Environment, Conservation and Parks Spills Action Centre (Reference #1-PLWVQ4). For additional information see the attached notification report.

Details of the Incident and Actions Taken:

At approximately 08:00 on October 8, 2025, a confined space entry was preformed to isolate the forcemain for the bypassing of Brant Business Park 403 Sanitary Pumping Station (SPS) to completed upgrades on the forcemain. The incorrect valve was operated which resulted in the release of the forcemain contents into the chamber, which then proceeded to spill outside of the chamber into the road side ditch. Contractors on site who were pumping the forcemain contents for the bypass at the SPS, had a contingency back up pump and additional tanker trucks on site. The contractors assisted with their back up pump and additional tanker truck to pump out the contents in the chamber. The road side ditch leads to a storm catch basin which was immediately bermed with sand bags to prevent as much flow as possible entering it. The storm sewers flow to a storm water retention pond, which has a total storage capacity of 68,906m^3 that discharges to a infiltration system. The pond was not discharging to the infiltration system at the time of spill.

Around 10:00, the chamber had stopped filling and the remainder of the contents were pumped out. Samples were collected from the chamber and sent to an accredited lab for analysis. The forcemain drain valve was then closed, back up pump shut down and tanker truck left site to dispose of the remaining raw sewage. The area was cleaned up by 10:30.

The duration of this event was two (2) hours. Raw sewage was mainly contained to the ditch and chamber. A small amount, approximately 300L, spilled into the storm catch basin which leads to the storm water retention pond. Two tanker trucks full were pumped from the chamber, approximately 90m^3 (90,000L). This volume was offload back into the Paris Sanitary Sewer Collection system downstream of the forcemain. Notifications of the spill were provided to the owner of the system (County of Brant).

At this time, we do not believe there were any adverse effects to the environment that occurred from the spill due to the significant dilution of the 300L of wastewater by the stormwater retention pond.

If you have any questions or concerns, please contact me at 226-387-1292 or by email.

Sincerely,

Meagan Lowden
Process & Compliance Technician
Ontario Clean Water Agency – Southwest Region - Paris Cluster

cc: Sam Sianas, Regional Hub Manager (OCWA)
Ben Madill, Senior Operations Manager (OCWA)
Stephanie Simpson, Safety, Process and Compliance Manager (OCWA)
Andrea Bazzard – Director of Environmental Services, County of Brant
Matthew D'Hondt – Solid Waste/Wastewater Operations Manager, County of Brant
Ivanna Okroukh – Water Compliance Officer, MECP
environmentalhealth@geph.ca

SGS Canada Inc.
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2HO
Phone: 705-652-2000 FAX: 705-652-6365

Works #: NR-110001097
Project : PO#017018

15-October-2025

OCWA-Brant (Paris WPCP)
Attn : Meagan Lowden

120 Race St.
Paris, ON
N3L 3X2, Canada

Phone: 226-387-1292, 519-442-3255
Fax:

Date Rec. : 09 October 2025
LR Report: **CA13449-OCT25**
Reference: Bethel SPS Bypass

Copy: #1

CERTIFICATE OF ANALYSIS
Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Byp Byp3-City Raw	6: Byp Byp3-Raw - E.coli
Sample Date & Time					08-Oct-25 10:00	08-Oct-25 10:00
Temperature Upon Receipt [°C]	---	---	---	---	10.0	10.0
Field pH [no unit]	---	---	---	---	8.07	---
Field Temperature [celcius]	---	---	---	---	17.6	---
Biochemical Oxygen Demand (BOD5) [mg/L]	10-Oct-25	12:31	15-Oct-25	11:52	75	---
Total Suspended Solids [mg/L]	14-Oct-25	10:28	15-Oct-25	14:11	283	---
Phosphorus (total) [mg/L]	14-Oct-25	16:51	15-Oct-25	14:32	3.46	---
Total Kjeldahl Nitrogen [as N mg/L]	14-Oct-25	15:32	15-Oct-25	15:14	44.5	---
Ecoli [mpn/100mL]	09-Oct-25	15:50	14-Oct-25	08:55	---	960600

Carrie Greenlaw
Project Specialist,
Environment, Health & Safety