

# Monthly Operations Report

for the Municipality of Casselman's Water and  
Wastewater Systems

March 2026



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

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## SECTION 1 – MONTHLY OPERATIONS REPORT CARD

### Operations and Compliance Reliability Indices

Legend					
✓	●	▲	✗	Y/N	N/A
Achieved	On Target	Caution	Not Achieved	Yes/No	Not Applicable

	Target	Current Month	Comments
<b>Health &amp; Safety</b>			
Number of Incidents	0	●	
<i>Actual Result</i>		0	
<b>Drinking Water</b>			
Inspection Ratings (YTD)	100 %	●	
<i>Actual Result</i>		100 %	
AWQI's	0	●	
<i>Actual Result</i>		0	
Number of Non-Compliances	0	●	
<i>Actual Result</i>		0	
Number of Water Main Breaks	0	●	
<i>Actual Result</i>		0	
Number of Complaints	0	●	
<i>Actual Result</i>		0	
Water Main Flushing	0	●	
<i>Target Achieved</i>		Y	
<b>Wastewater</b>			
Number of Non-Compliances	0	●	
<i>Actual Result</i>		0	
Number of Bypasses	0	●	
<i>Actual Result</i>		0	
Number of Sanitary Sewer Back-ups	0	✗	Zakari sewer main blockage
<i>Actual Result</i>		1	
Sanitary Collection System Flushing	0	●	
<i>Target Achieved</i>		Y	
<b>Preventive Maintenance</b>			
Work Orders Completed	>95%	●	
<i>Target Achieved</i>		Y	

## SECTION 2 – FACILITY LISTING

### Water Treatment & Distribution

Facility	Type
5971 - Casselman Water Treatment Plant	1 WTP (Actiflo Process)
1553 - Casselman Water Distribution System	1 Water Storage Tower + Water Distribution System

### Wastewater Treatment & Collection

Facility	Type
1501 - Casselman Wastewater Treatment Plant	3 Facultative Lagoon Cells MBBR (Moving Bed Biofilm Reactor)
1501 - Casselman Wastewater Collection System	6 Sewage Pumping Stations + Wastewater Collection System

## SECTION 3 – COMPLIANCE

There were no compliance issues to report for Casselman’s water and wastewater treatment systems.

The most recent MECP inspections are listed below:

Location	Inspector	Inspection Rating (%)	Date
Casselman Water	Jean-Francois Durocher	100%	January 27, 2026
Casselman Sewage	Jean-Francois Durocher	Rating not applicable	November 19, 2024

There are no outstanding actions required from any recent MECP inspections.

## SECTION 4 – FACILITY PERFORMANCE

Please see the Water & Wastewater Performance Assessment Reports attached in Appendix A.

## SECTION 5 – DRINKING WATER QUALITY MANAGEMENT SYSTEM (DWQMS)

A re-accreditation audit was conducted by SAI Global in November 2025. OCWA received the new Certificate of Accreditation for Casselman’s Drinking Water System on January 9, 2026.

## SECTION 6 - MAINTENANCE / CAPITAL / ADDED VALUE

### Water Treatment & Distribution

- Responded to five after-hours call-back alarms
- Installed new free chlorine analyzer to replace the primary analyzer at the end of the clearwell

### Wastewater Treatment & Collection

- Responded to three after-hours call-back alarms
- Responded to sewer back up at 317 Zakari. Blockage in the main. Contractor brought in to flush sewer main to clear blockage.
- Lagoon discharge continued through March

### Preventive Maintenance Plan (PMP) Work Order Summary

All required work orders were completed. Please refer to the summary reports attached in Appendix B.

## SECTION 7 – COMPLAINTS

Facility	Date	Description
		None to report

## **SECTION 8 – RECOMMENDATIONS / GENERAL COMMENTS**

### General

- 26 locates were completed in March

# Appendix A

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## Performance Assessment Reports



**ONTARIO CLEAN WATER AGENCY  
PERFORMANCE ASSESSMENT REPORT**

**MUNICIPALITY:** MUNICIPALITY OF CASSELMAN  
**PROJECT:** CASSELMAN DRINKING WATER SYSTEM  
**DESCRIPTION:** SURFACE WATER TREATMENT PLANT  
CHEMICALLY ASSISTED FILTRATION

**YEAR:** 2026  
**WATER SOURCE:** NATION RIVER  
**DESIGN CAPACITY:** 3182 m3/d  
**WORKS NUM.:** 210001219

MONTH	SYSTEM FLOWS (TREATED)			TREATED		DISTRIBUTION		RAW					TREATED					DISTRIBUTION				
	Total Flow (m <sup>3</sup> )	Avg. Flow (m <sup>3</sup> )	Max Day Flow (m <sup>3</sup> )	Min. Free Cl <sub>2</sub> Resid. (mg/L)	Max Free Cl <sub>2</sub> Resid. (mg/L)	Min Combined Cl <sub>2</sub> Resid. (mg/L)	Max Combined Cl <sub>2</sub> Resid. (mg/L)	Dissolved Organic Carbon (mg/L)	Total Organic Carbon (mg/L)	Total Hardness (mg/L)	Average Manganese (mg/L)	Max Manganese (mg/L)	IH Avg. Turbidity (NTU)	IH Max. Turbidity (NTU)	Dissolved Organic Carbon (mg/L)	Total Organic Carbon (mg/L)	Average Manganese (mg/L)	Max Manganese (mg/L)	Min CT (mg/L/min)	THM (µg/L) quaterly	HAA (µg/L) quaterly	NDMA (µg/L) quaterly
JAN	31,413	1,013	1,218	1.15	2.71	1.19	2.31	5.60	5.60	391	0.10	0.11	0.24	0.28	3.50	3.50	0.03	0.05	294	32.0	17.4	0.0018
FEB	28,466	1,017	1,330	1.22	2.84	1.28	2.25	5.20	5.30	380	0.08	0.09	0.23	0.29	3.60	3.10	0.05	0.05	269	-	-	-
MAR	31,035	1,001	1,360	1.20	2.26	1.27	2.28	5.10	4.40	411	0.08	0.13	0.38	0.50	3.70	2.60	0.03	0.08	195	-	-	-
APR																						
MAY																						
JUN																						
JUL																						
AUG																						
SEP																						
OCT																						
NOV																						
DEC																						
TOTAL	90,914																					
AVG		1,010						5.30	5.10	394	0.09		0.28		3.60	3.07	0.04			32.0	17.4	0.0009
MAX			1,360		2.84		2.31											0.08				
MIN				1.15		1.19													195			
CRITERIA			<b>3,182</b>	<b>0.4</b>		<b>0.25</b>	<b>3.00</b>												<b>46</b>	<b>&lt;100</b>	<b>&lt;80</b>	<b>&lt;0.009</b>

MONTH	SYSTEM FLOWS (RAW)				ACTIFLO FILTER #1		ACTIFLO FILTER #2		Efficiency		RESIDUALS TANK		TREATED				E. coli / Total Coliform / HPC (Number of Samples Collected)				RAW WATER	
	Total Flow (m <sup>3</sup> )	Avg. Day Flow (m <sup>3</sup> )	Max. Flow (m <sup>3</sup> )	Max. Flow Rate (L/min)	Avg. Turbidity (NTU)	Max. Turbidity (NTU)	Avg. Turbidity (NTU)	Max. Turbidity (NTU)	Turbidity % < 0.3 NTU Filter #1	Turbidity % < 0.3 NTU Filter #2	Backwash TSS** (mg/L)	Clarification TSS (mg/L)	OL Avg. Turbidity (NTU)	OL Max. Turbidity (NTU)	Min UV Intensity (mJ/cm <sup>2</sup> * )	Min UVT (%)	Safe		Adverse		Max. Count	Max. Count
																	Treated	Distribution	Treated	Distribution		
JAN	35,954	1,160	1,557	1996	0.10	0.40	0.11	0.36	100.00	99.91	7	7	0.17	0.95	0	92	4	12	0	0	8,000	33
FEB	33,643	1,202	1,593	1976	0.09	0.73	0.09	0.64	99.87	99.31	9	6	0.12	0.37	94	90	4	12	0	0	1,000	113
MAR	36,887	1,190	1,781	2001	0.12	0.57	0.10	0.64	99.37	99.74	11	13	0.18	0.49	86	70	5	15	0	0	194,000	132
APR																						
MAY																						
JUN																						
JUL																						
AUG																						
SEP																						
OCT																						
NOV																						
DEC																						
TOTAL	106,484																13	39	0	0		
AVG		1,184			0.10		0.10		99.75	99.65	9	9	0.16									
MAX			1,781	2,001		0.73		0.64			11	13		0.95							194,000	132
MIN														0	70.00							
CRITERIA			<b>3,182</b>	<b>2,205</b>		<b>&lt;1</b>		<b>&lt;1</b>	<b>&gt;95%</b>	<b>&gt;95%</b>	<b>&lt;25</b>	<b>&lt;25</b>		<b>&lt;5</b>	<b>&gt;40</b>							

**COMMENTS:**

\* On January 26, 2026 - Generator test caused UV to temporarily shut down while water continued to flow through. Primary disinfection still met with filtration and chlorination credit. Minimum UVI for January 2026 excluding short event = 105 mJ/cm2



# Appendix B

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## Work Order Summary Reports



**Monthly Work Order Summary – March 2026**  
**Casselman Drinking Water System**

Analyzer Chlorine Inspection/Service (1m) 5971	COMP	PM
Analyzer pH Inspection/Service (1m) 5971	COMP	PM
Analyzer Spectrophotometer Insp/Service (1m) - 5971	COMP	PM
Analyzer Turbidity Inspection/Service (1m) 5971	COMP	PM
Drive VFD Inspection (6m) 5971	COMP	PM
Blower Centrifugal Inspection/Service (1m) 5971	COMP	PM
Air Compressor Inspection/Service (1m) 5971	COMP	PM
Dryer Air Service (1m) - 5971	COMP	PM
Generator Inspection (1m) 5971	COMP	PM
Mixer Chemical Inspection (3m) 5971	COMP	PM
PANEL ALARM/DIALER TEST (1m) - 5971	COMP	PM
UV Light Bank Insp/Service (1m) - 5971	COMP	PM
Monthly H&S Equipment Check (1m) - 5971	COMP	PM
Client Reports (1m) - Casselman 5971	COMP	PM
UVT Sensor Checks/Calibration (1m) - 5971	COMP	PM
Pump Diaphragm Coagulant Route Inspection/Service (1m) 5971	COMP	PM
Pump Diaphragm Polymer Route Inspection/Service (1m) 5971	COMP	PM
Pump Diaphragm Sodium Hydroxide Route Inspection/Service (1m) 5971	COMP	PM
Pump Diaphragm Ammonium Sulphate Route Inspection/Service (1m) 5971	COMP	PM
Pump Diaphragm Potassium Permanganate Route Inspection/Service (1m) 5971	COMP	PM
PDM (WISKI) Data Entry and Review-Ops (1m) 5971	COMP	PM
SCBA Air Tanks Refill Insp/Service (6m) 5971	APPR	PM
Sampling and Testing (1m) 5971	COMP	PM
UV Sensor Reference Check/Calibration (1m) - 5971	COMP	PM
Relief Valve UV Room Inspection (3m) 5971	COMP	OPER
Workplace Inspection - DS Silica- 1m - 5971	COMP	OPER
Request 267 +271 Carpe Turn on	COMP	OPER
Request 692 694 Principal turn off.	COMP	OPER
5971-WTCA-P - Extra Microcystin Sampling - October Caduceon Invoice Received Late	APPR	CAP
Call Back - Casselman Wtp - 5971 - Actiflo Alarm	COMP	CALL
WTP back wash actiflow 1 Alarm	COMP	CALL
SPS #1 Distribution Cl2 Alarm	COMP	CALL
5971-CALL BACK - Low Flow Actiflo 2	COMP	CALL
5971-CALL BACK - Low Flow Actiflo 2	COMP	CALL

**Monthly Work Order Summary – March 2026**  
**Casselman Wastewater Treatment & Collection System**

Description	Status	Work Type
Generator Inspection (1m) SPS #1 1501	COMP	PM
Generator Inspection (1m) SPS #2 1501	COMP	PM
Generator Inspection (1m) SPS #3 1501	COMP	PM
Generator Inspection (1m) SPS #5 1501	COMP	PM
Generator Inspection (1m) SPS #6 1501	COMP	PM
Generator Inspection Lagoon (1m) 1501	COMP	PM
Analyzer Turbidity Inspection/Service (1m) 1501	COMP	PM
PANEL ALARM/DIALER TEST SPS#4 (1m) 1501	COMP	PM
Monthly H&S Equipment Check (1m) - 1501	COMP	PM
Blower Inspection/Service (1m/1y) 1501	COMP	PM
Blower Inspection/Service (1m/1y) 1501	COMP	PM
Blower Inspection/Service (1m/1y) 1501	COMP	PM
Blower Inspection/Service (1m/1y) 1501	COMP	PM
Blower Inspection/Service (1m/1y) 1501	COMP	PM
Blower Inspection/Service (1m/1y) 1501	COMP	PM
Bar Screen Inspection (1m) 1501	COMP	PM
PANEL ALARM/DIALER TEST SPS#6 (1m) - 1501	COMP	PM
PANEL ALARM/DIALER TEST SPS#3 (1m) - 1501	COMP	PM
PANEL ALARM/DIALER TEST SPS#2 (1m) - 1501	COMP	PM
PANEL ALARM/DIALER TEST SPS#5 (1m) - 1501	COMP	PM
PANEL ALARM/DIALER TEST SPS#1 (1m) - 1501	COMP	PM
PANEL ALARM/DIALER TEST LAGOON (1m) - 1501	COMP	PM
PDM (WISKI) Data Entry and Review-Ops (1m) 1501	COMP	PM
Sampling and Testing (1m) 1501	COMP	PM
Workplace Inspection (1m) - 1501	COMP	OPER
1501 0626 Portable Kerosene Heater	COMP	CAP
1501-WWCA - Alum Pumping system failure to work in auto	COMP	CAP
1501 317 Zakari Emergency sewer lateral Repairs	COMP	CAP
1501-CALL BACK - Loss of communication to all SPS's	COMP	CALL
Call back - Casselman MBBR - 1501 - Sump Float	COMP	CALL
SPS #1 High Level	COMP	CALL

# Appendix C

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## Locate Summary



## Casselman Monthly Locate Summary – March 2026

Description	Status	Work Type
Locate request "2026101247" Dubois lot #2	COMP	OPER
Locate request "2026102013" Carpe 267-271	COMP	OPER
Locate request "2026113391" Principal/ Montee side road	COMP	OPER
Locate request "20261113633" Dubois Storm	COMP	OPER
Locate request "2026113818" Bridge Casselman	COMP	OPER
Locate Request-20261211790- St Jean Principal	COMP	OPER
Locate Request-2026121625- 678-668 Dollard	COMP	OPER
Locate Request-2026121421- Iefleshe Blvd	COMP	OPER
Locate Request-20261216766- 44 Percy	COMP	OPER
Locate Request-2026138897- Des Pommier School	COMP	OPER
Locate Request-20261211550- Dollard Side walks	COMP	OPER
Locate Request-2026134723- Breufeuf Side walks	COMP	OPER
Locate Request-2026139497- 745 Aurrell	COMP	OPER
Locate Request-2026139597- 723 St Isidore	COMP	OPER
Locate Request-2026139633- 613 St Isidore	COMP	OPER
Locate Casselman WDS 1553 - 2026139688 - 5 Castongauy	COMP	OPER
Locate Casselman WDS 1553 - 2026139705 - 673 St. Joseph	COMP	OPER
Locate Casselman WDS 1553 - 20261310888 - 44 Percy	COMP	OPER
Locate Casselman WDS 1553 - 2026131 - Lemieux	COMP	OPER
Locate Casselman WDS 1553 - 2026138783 - Lot 38 Argile	COMP	OPER
Locate Casselman WDS 1553 - 2026139471 2 Sarah A+B	COMP	CAP
Locate Casselman WDS 1553 - 2026138077 Carpe	COMP	CAP
Locate Casselman WDS 1553 - 2026140901 15 Maria	COMP	CAP
Locate Casselman WDS 1553 - 2026110986 109 Laurier	COMP	CAP
Locate Casselman WDS 1553 - 2026141971 23 Industrial	COMP	CAP
Locate Casselman WDS 1553 - 2026147578 49 Isabelle	COMP	CAP
Total		26