

Monthly Operations Report

for the Municipality of Casselman's Water and
Wastewater Systems

January 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
Health & Safety			
Number of Incidents	0	●	
<i>Actual Result</i>		0	
Drinking Water			
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	
Wastewater			
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	●	
<i>Actual Result</i>		0	
Sanitary Collection System Flushing	0	●	
<i>Target Achieved</i>		Y	
Preventive Maintenance			
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%	February 5, 2025
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 (Appendix D).

SECTION 6 - MAINTENANCE / CAPITAL / ADDED VALUE

Water Treatment & Distribution

- Responded to five after-hours call-back alarms
- Drained and cleaned Clearwell #1
- Contractor in to replace portion of transfer pipe to clearwell

Wastewater Treatment & Collection

- Responded to two after-hours call-back alarms
- Lagoon discharge continued through January
- Replaced exhaust on MBBR Blower #3
- Ferdinand-Denis in to work on Boiler #2 at SPS #1 . Used parts from Boiler #1 to get #2 working.
- Pulled pump to remove blockage (rags) from Pump #2 at SPS #6
- Replaced chains on both pumps at SPS #6

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

- 8 locates were completed in January

Appendix A

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 ³)	Avg. Flow (m ³)	Max Day Flow (m ³)	Min. Free Cl ₂ Resid. (mg/L)	Max Free Cl ₂ Resid. (mg/L)	Min Combined Cl ₂ Resid. (mg/L)	Max Combined Cl ₂ 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	1.68	2.02	5.60	5.60	391	0.10	0.11	0.24	0.28	3.50	3.50	0.03	0.05	294	32.00	17.40	0.0018
FEB																						
MAR																						
APR																						
MAY																						
JUN																						
JUL																						
AUG																						
SEP																						
OCT																						
NOV																						
DEC																						
TOTAL	31,413																					
AVG		1,013						5.60	5.60	391	0.10		0.24		3.50	3.50	0			32.00	17.40	0.0009
MAX			1,218		2.71		2.02							0.28			0.05					
MIN				1.15		1.68													294			
CRITERIA			3,182	0.4		0.25	3.00												46	<100	<80	<0.009

MONTH	SYSTEM FLOWS (RAW)			ACTIFLO FILTER #1		ACTIFLO FILTER #2		Efficiency		TANK		TREATED				E. coli / Total Coliform / HPC (Number of Samples Collected)				RAW WATER			
	Total Flow (m ³)	Avg. Day Flow (m ³)	Max. Flow (m ³)	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)	Supernatant TSS (mg/L)	OL Avg. Turbidity (NTU)	OL Max. Turbidity (NTU)	Min UV Intensity (mJ/cm ²) *	Min UVVT (%)	Safe		Adverse		Coliform Max. Count	E.coli Max. Count	
																		Treated	Distribution	Treated	Distribution		
JAN	35,954	1,160	1,557	1,996	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																							
MAR																							
APR																							
MAY																							
JUN																							
JUL																							
AUG																							
SEP																							
OCT																							
NOV																							
DEC																							
TOTAL	35,954																4	12	0	0			
AVG		1,160			0.10		0.11		100.00	99.91	7.0	7.0	0.17										
MAX			1,557	1,996		0.40		0.36			7	7		0.95							8,000	33	
MIN															0.00	92.00							
CRITERIA			3,182	2,205		<1		<1	>95%	>95%	<25	<25		<5	>40								

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

Work Order Summary Reports



Monthly Work Order Summary – January 2026 Casselman Drinking Water System

Description	Status	Work Type
Analyzer Total 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
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
Meter Level Inspection/Service (3m) 5971	APPR	PM
Pump Submersible ACTIFLO 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
Quarterly H&S Equipment Check (3m) - 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
Sampling and Testing-Schedule 15-Lead Winter (3y) - 5971	COMP	PM
JHSC Meeting (3m) - 5971	APPR	PM
PDM (WISKI) Data Entry and Review-Ops (1m) 5971	COMP	PM
Lab Standard Verification (1y) 5971	APPR	PM
Review & Update Infrastructure Maps (1y) - Casselman	APPR	PM
Sampling and Testing (1m) 5971	COMP	PM
Sampling and Testing-Schedule 15-DW Alk pH (6m) - 5971	COMP	PM
Fit Testing/Training (2y) - 5971	COMP	PM
UV Sensor Reference Check/Calibration (1m) - 5971	COMP	PM
Workplace Inspection - DS Silica- 1m - 5971	COMP	OPER
5971 Casselman Chlorine Panel Upgrade-CAP- New panel	COMP	CAP
5971 Casselman Tank Cleaning -MM -Clearwell	COMP	CAP
5971 Casselman Electrical/Instrumentation Upgrades-MM - ESA Inspection Repairs	APPR	CAP
5971 Casselman Building and Grounds Maintenance-MM - UPS replacement	COMP	CAP
5971 Casselman Chlorine Panel Upgrade-CAP- New panel install	COMP	CAP
5971 Casselman - ESA Inspection Recommendations	COMP	CAP
5971-CALL BACK - Actiflo 1 high differential pressure	COMP	CALL

Monthly Work Order Summary – January 2026
Casselman Drinking Water System

5971-CALL BACK - High settled turbidity Actiflo 2	COMP	CALL
WTP Low Clearwell Level Alarm	COMP	CALL
Casselman Low Cl2 Alarm Clear well	COMP	CALL
5971 Casselman High Chlorine	COMP	CALL
CM05 MECP Inspection - Casselman DWS - 5971	APPR	ADMIN

Monthly Work Order Summary – January 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 (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
Specific ECA - Bypass (3m) - 1501	COMP	PM
Quarterly H&S Equipment Check (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-WWCA - SPS-6 - Pump 2 Overload Fault	COMP	CAP
SPS #6 Wet Well Cleaning - Casselman - 1501	COMP	CAP
1501-WWCA - SPS-6 - Pump 2 Overload Fault pt 2	COMP	CAP
1501-WWCA - SPS-6 - Pump 2 Overload Fault pt 3	COMP	CAP
1501 SPS 1 Pump 2 Rebuild	APPR	CAP
1501 Casselman New Electrical Heaters	APPR	CAP
1501 Casselman SPS6 Pump 2 Fault	COMP	CALL
1501 Casselman SPS4 and SPS1	COMP	CALL

Appendix C

Locate Summary



Casselman Monthly Locate Summary – January 2026

Description	Status	Work Type
Locate Casselman WDS 1553 - 2026045663 Argile/Heron, CIMA	COMP	OPER
Locate Casselman WDS 1553 - 2026045704 Dore/Heron, CIMA	COMP	OPER
Locate Casselman WDS 1553 - 2026052538 Dubois #1	COMP	OPER
Locate Casselman WDS 1553 - 2026052543 Dubois #2	COMP	OPER
Locate Casselman WDS 1553 - 2026052565 dubois #3	APPR	OPER
Locate Casselman WDS 1553 - 2026052611 740-744 laval	COMP	OPER
Locate Casselman WDS 1553 - 2026052635 dubois/ Principal	COMP	OPER
Locate Casselman WDS 1553 - 2026051396 marquette/Laval	COMP	OPER
Total		8

Appendix D

Certificate of Accreditation



CERTIFICATE OF ACCREDITATION

This is to certify that the following operating authority:

The Ontario Clean Water Agency (OCWA)

2085 Hurontario Street, Suite 500, Mississauga ON L5A 4G1 Canada

operates a Drinking Water System on behalf of

The Village of Casselman

P.O. Box 710, 832 Laval Street, Casselman, Ontario, K0A 1M0, Canada

which conforms with the requirements of:

**DRINKING WATER QUALITY MANAGEMENT STANDARD
VERSION 2-2107**

for the following scope of accreditation:

Drinking Water Treatment & Distribution; Full Scope

Including:

Casselman Drinking Water System

Certificate Number:

0235377

File No.:

2023-143980

Issue Date:

09 Jan 2026

Original Certification Date:

19 Nov 2018

Certification Effective Date:

14 Nov 2025



Rathin Grover

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