Monthly Operations Report

for the Municipality of Casselman's Water and Wastewater Systems

August 2025

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

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Appendices

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	●	
Actual Result		0	
Drinking Water			
Inspection Ratings (YTD)	100 %	●	
Actual Result		100 %	
AWQI's	0	●	
Actual Result		0	
Number of Non-Compliances	0	✕	*PTTW Exceedance & Loss of Trending*
Actual Result		2	
Number of Water Main Breaks	0	●	
Actual Result		0	
Number of Complaints	0	●	
Actual Result		0	
Water Main Flushing	0	●	
Target Achieved		Y	
Wastewater			
Number of Non-Compliances	0	●	
Actual Result		0	
Number of Bypasses	0	●	
Actual Result		0	
Number of Sanitary Sewer Back-ups	0	●	
Actual Result		0	
Sanitary Collection System Flushing	0	●	
Target Achieved		Y	
Preventive Maintenance			
Work Orders Completed	>95%	●	
Target Achieved		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 two legislative non-compliances reported during the month of September for Casselman's Drinking Water System. A Permit to Take Water (PTTW) maximum rate of taking exceedance occurred briefly while pilot testing of the chlorine dioxide system was taking place on August 19th. And a loss of trending for filter effluent turbidity occurred September 2 – 3 while a transfer to the new WTP SCADA system was taking place. For details on these events, please refer to the notifications of non-compliance submitted to MECP, attached in Appendix D.

There were no compliance issues to report for Casselman's wastewater treatment system.

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)

OCWA was re-accredited as the Operating Authority for Casselman's Drinking Water System on January 24, 2023.

SECTION 6 - MAINTENANCE / CAPITAL / ADDED VALUE

Water Treatment & Distribution

- Responded to 7 after-hours call-back alarms
- Replaced curb stop at 41 Faucher
- Completed watermain repair at Jeanne Mance/Faucher
- Completed daily monitoring of blue-green algae in the South Nation River
- Completed summer dead end flushing in the distribution system

Wastewater Treatment & Collection

- Responded to one after-hours call-back alarm
- Sludge removal from Cell 1 continued through August
- Natural gas leak discovered and repaired 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

- 43 locates were completed in August.

Water Treatment & Distribution

- Capital/Major Maintenance projects approved for 2025 are underway.

Wastewater Treatment & Collection

- Capital/Major Maintenance projects approved for 2025 are underway.

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: 2025
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 Cl2 Resid. (mg/L)	Max Combined Cl2 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)	Total Hardness (mg/L)	Average Manganese (mg/L)	Max Manganese (mg/L)	THM (µg/L) quaterly	HAA (µg/L) quaterly	NDMA (µg/L) quaterly
JAN	35,809	1,155	1,555	1.05	2.60	1.21	1.97	6.20	6.60	323	0.07	0.11	0.31	0.50	3.00	3.50	322	0.05	0.08	42.0	27.1	0.0009
FEB	31,867	1,138	1,311	1.39	2.32	1.32	2.17	3.90	3.60	430	0.10	0.11	0.51	0.60	2.50	1.80		0.07	0.09			
MAR	35,230	1,136	1,603	0.97	2.47	1.22	2.02	3.70	3.00	459	0.09	0.12	0.52	0.62	2.30	1.70		0.06	0.08			
APR	33,940	1,131	1,378	1.09	2.23	1.15	1.71	7.80	7.20	214	0.13	0.22	0.38	0.57	3.00	2.50		0.03	0.04	40.0	27.7	0.0026
MAY	37,094	1,197	1,700	1.05	2.30	1.24	1.98	7.60	7.60	309	0.09	0.12	0.27	0.35	3.50	3.30		0.02	0.03			
JUN	39,041	1,301	1,610	0.91	2.45	1.21	1.86	6.40	6.40	340	0.08	0.12	0.30	0.45	3.10	2.70		0.02	0.04			
JUL	38,503	1,242	1,878	0.92	2.63	1.00	2.06	8.50	10.80	282	0.16	0.32	0.35	0.48	4.70	4.80		0.03	0.06	98.00	49.90	0.0029
AUG	38,610	1,245	1,673	1.04	2.80	0.83	2.09	9.60	9.30	308	0.16	0.40	0.45	1.29	4.50	4.30		0.03	0.16			
SEP																						
OCT																						
NOV																						
DEC																						
TOTAL	290,094																					
AVG		1,193						6.71	6.81	333	0.11		0.39		3.33	3.08	322	0.04		60.0	34.9	0.0009
MAX			1,878		2.80		2.17					0.40		1.29					0.16			
MIN				0.91		0.83																
CRITERIA			**3,182**	**CT**		**0.25**	**3.00**													**<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 UVT (%)	Safe		Adverse		Coliform	*E.coli*
																	Treated	Distribution	Treated	Distribution	Max. Count	Max. Count
JAN	42,495	1,371	1,793	2185	0.12	0.37	0.12	0.64	99.97	99.58	88	8	0.33	1.40	82	67	4	12	0	0	35,000	24
FEB	37,831	1,351	1,538	2198	0.09	0.28	0.10	0.33	99.99	99.43	12	11	0.44	2.11	87	81	4	12	0	0	2,000	34
MAR	41,446	1,337	1,850	1893	0.08	0.42	0.12	0.49	98.94	99.72	10	9	0.37	1.47	86	67	5	15	0	0	19,000	48
APR	38,744	1,291	1,720	1756	0.09	0.55	0.11	0.48	99.88	96.20	8	9	0.22	0.66	102	76	4	12	0	0	1,300	78
MAY	41,607	1,342	1,875	1739	0.11	0.56	0.12	0.29	99.81	100.00	41	13	0.18	0.52	95	80	4	12	0	0	300	39
JUN	43,552	1,452	1,917	1701	0.12	0.45	0.12	0.34	99.96	99.95	3	4	0.18	0.40	110	81	5	15	0	0	50	12
JUL	43,464	1,402	2,120	1727	0.13	0.61	0.14	0.54	99.71	99.74	17	17	0.27	0.81	127	83	4	12	0	0	160	18
AUG	44,651	1,440	1,919	2405	0.16	0.60	0.14	0.64	99.88	99.82	12	6	0.24	1.14	140	74	4	12	0	0	300	4
SEP																						
OCT																						
NOV																						
DEC																						
TOTAL	333,790																34	102	0	0		
AVG		1,373			0.11		0.12		99.77	99.31	24	10	0.28									
MAX			2,120	2,405		0.61		0.64			88	17		2.11							35,000	78
MIN															82	67						
CRITERIA			**3,182**	**2,205**		**<1**		**<1**	**>95%**	**>95%**	**<25**	**<25**		**<5**	**>40**							

COMMENTS:

*PTTW maximum allowable flow rate was exceeded for two short periods on August 19, 2025 during Chlorine Dioxide Pilot Testing.

ONTARIO CLEAN WATER AGENCY
PERFORMANCE ASSESSMENT REPORT

OWNER: MUNICIPALITY OF CASSELMAN
PROJECT: CASSELMAN WASTEWATER TREATMENT SYSTEM
ECA NUM.: 8160-BAHPRF
DESCRIPTION: MOVING BED BIOLOGICAL REACTOR (MBBR) TREATMENT LAGOON

YEAR: 2025
WATER COURSE: NATION RIVER
DESIGN CAPACITY: 2,110 m^3/d
FACILITY WORKS#: 110002201

MONTH	RAW								EFFLUENT										
	Total Flow m^3	Avg Day Flow m^3	Max Day Flow m^3/d	Avg Alum Dosage (mg/L)	Avg Raw BOD5 (mg/L)	Avg Raw TSS (mg/L)	Avg. Raw TKN (mg/L)	Avg Raw TP (mg/L)	Effluent Flow m^3	Effluent Avg Flow m^3	Effluent Max Flow m^3/d	Avg CBOD5 (mg/L)	Avg TSS (mg/L)	Avg TAN (mg/L)	Avg TP (mg/L)	Avg TKN (mg/L)	Avg Nitrate (mg/L)	Avg Nitrite (mg/L)	E. coli (cfu/100 mL)
JAN	43,311	1,397	1,703	74.0	186	272	55.7	6.07	80,565	2,599	2,781	3.5	8.0	7.9	0.33	11.75	9.17	0.05	229
FEB	30,948	1,105	1,158	41.9	241	400	80.2	7.17	64,941	2,824	3,982	4.3	8.8	20.4	0.50	27.97	11.88	0.31	563
MAR	61,990	2,000	2,376	52.9	317	550	83.6	7.40	74,222	2,394	3,811	4.0	6.8	11.46	0.56	13.9	21.6	0.31	78
APR	62,792	2,093	2,920	60.3	157	444	27.7	3.27	175,858	5,862	6,938	4.0	16.3	2.55	0.34	4.4	17.7	0.08	27
MAY	45,289	1,461	1,728	39.3	194	266	41.6	4.49	83,591	5,573	6,763	4.0	8.5	0.29	0.30	2.0	16.2	0.05	38
JUN	38,706	1,290	1,328	53.3	64	190	49.0	1.98											
JUL	45,411	1,465	1,978	54.7	161	510	106.0	5.09											
AUG	35,686	1,151	1,236	52.8	153	395	59.8	6.49											
SEPT																			
OCT																			
NOV																			
DEC																			
TOTAL	364,133								479,177										
AVG		1,495		53.7	184	378	63.0	5.25		3,850		4.0	9.7	8.5	0.41	12.0	15.3	0.16	101
MAX			2,920		317	550	106	7.40			6,938	4.3	16.3	20.4	0.56	28.0	21.6	0.31	563
CRITERIA						**Fall Discharge**			**267,650**	**2,909**									
						Winter/Spring Dircharge			**502,500**	**3,722**									
COMPLIANCE																			

MONTH	UPSTREAM				DOWNSTREAM			
	Avg CBOD5 (mg/L)	Avg TSS (mg/L)	Avg TAN (mg/L)	Avg PHOS. (mg/L)	Avg CBOD5 (mg/L)	Avg TSS (mg/L)	Avg TAN (mg/L)	Avg PHOS. (mg/L)
JAN	3.0	6.0	0.12	0.04				
FEB	3.0	6.0	0.14	0.06				
MAR	3.0	32.3	0.1	0.1				
APR	3.0	34.8	0.1	0.12	3.0	154.0	0.3	0.16
MAY	3.0	5.0	0.06	0.05	3.0	10.5	0.26	0.06
JUN								
JUL								
AUG								
SEPT								
OCT								
NOV								
DEC								
TOTAL								
AVG	3.0	17	0.12	0.08	3.0	82.3	0.29	0.11
MAX	3	34.8	0.14	0.12	3.0	154	0.31	0.16
CRITERIA								

Comments:

*No Upstream/Downstream Samples required to be collected when downstream sampling is not feasible due to ice cover on the Nation River.

**No Downstream sample collected in January, February, March and part of April.

Appendix B

Work Order Summary Reports

Monthly Work Order Summary – August 2025
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
PANEL ALARM/DIALER TEST (1m) - 5971	COMP	PM
Transmitter Flow (1y) Service 5971	APPR	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
WISKI Monthly Review(1m) 5971	COMP	PM
UV Sensor Reference Check/Calibration (1m) - 5971	COMP	PM
Workplace Inspection - DS Silica- 1m - 5971	COMP	OPER
Hydrant Ends Flushing (1m) 1553	COMP	OPER
5971-WTCA-F - WTP Generator battery exploded during transfer test	COMP	CORR
Casselman WDS 1553 - Water Main Valve Repair - Jean Mence	COMP	CAP
1553 - WDS - Shut Off and Repairs - 41 Faucher	COMP	CAP
Call Back - Casselman WTP - 5971 - ClearWell High Chlorine	COMP	CALL
Call Back - Casselman WTP - 5971 - Actiflo 1 High Filtered Turbidity	COMP	CALL
Call Back - Casselman WTP - 5971 - UV 2 Alarm	COMP	CALL
5971- Actiflo Low Flow Alarm	COMP	CALL
5971-WTCA-P - Back to back Backwashes	COMP	CALL
Call Back - Casselman WTP - 5971 - Actiflo Alarm	COMP	CALL
Call Back - Casselman WTP - 5971 - Actiflo 1 High Filtered Turbidity	COMP	CALL
CM01 Non-Compliance - PTTW Max Flow Rate Exceedance - Casselman DWS - 5971	COMP	ADMIN

Monthly Work Order Summary – August 2025
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 (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
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
WISKI Monthly Review(1m) 1501	COMP	PM
Workplace Inspection (1m) - 1501	COMP	OPER
Call Back - Casselman SPS 3 - 1501 - Running Off Of Floats	COMP	CALL

Appendix C

Locate Summary

Casselman Monthly Locate Summary – August 2025

Description	Status	Work Type
Locate request "20253121002" 1 Castongauy	COMP	OPER
Locate request "20253112919" 309 Nature	COMP	OPER
Locate request "20253124087" Principal /Nation rivere	COMP	OPER
Locate request "20253211119" Dubois	COMP	OPER
Locate request "20253211044" Dubois/Principale	COMP	OPER
Locate request "20253211041" Bell PED Laurier	COMP	OPER
Locate request "2025327147" Emergency Locate	COMP	OPER
Locate request "2025323460" Emergency Locate Gas	COMP	OPER
Locate request "20253212538" dubois	COMP	OPER
Locate request "20253215832" Carpe (CIMA)	COMP	OPER
Locate request "20253213630" Castongauy Storgae	COMP	OPER
Locate request "2025331436" 685 Principale	COMP	OPER
Locate request "2025333278" 47 isabelle	COMP	OPER
Locate request "2025336069" 848 Laval	COMP	OPER
Locate request "2025336307" 41 faucher	COMP	OPER
Locate request "20253315335" 832 St isidore	COMP	OPER
Locate request "20253313376" 37 Richer	COMP	OPER
Locate request "20253313255" 39 Dennoyer	COMP	OPER
Locate request "20253313051" 41 Faucher Emergency	COMP	OPER
Locate request "20253312423" 31 Gange Cres	COMP	OPER
Locate Casselman WDS 1553 - Shut Off +repairs - 144 Laurier	COMP	CAP
Locate Casselman WDS 1553 -20253310072 - Brebeuf/ St isabelle	COMP	CAP
Locate Casselman WDS 1553 -2025339920 - Hydro Pole St Jean / Dollard	COMP	CAP
Locate Casselman WDS 1553 -2025330003 - Montcalm+principale	COMP	CAP
Locate Casselman WDS 1553 -2025339477 - 815 principale	COMP	CAP
Locate Casselman WDS 1553 -2025338102 - 115-109 Laurier	COMP	CAP
Locate Casselman WDS 1553 -20253214628- 755-757 Principal	COMP	CAP
Locate Casselman WDS 1553 -20253322592 - 752 Lavesque	COMP	CAP
Locate Casselman WDS 1553 -20253322555- 39 dennoyer	COMP	CAP
Locate Casselman WDS 1553 -2025345416- 39 dennoyer	COMP	CAP
Locate Casselman WDS 1553 -20253412910- Mercier	COMP	CAP
Locate Casselman WDS 1553 -20253410772- Richer Circle	COMP	CAP
Locate Casselman WDS 1553 -2025341290- 68 Faucher	COMP	CAP
Locate Casselman WDS 1553 -2025353573- 770 principale	COMP	CAP
Locate Casselman WDS 1553 -2025357656- Cima/Argile	COMP	CAP
Locate Casselman WDS 1553 -2025356133- 37 Faucher	COMP	CAP
Locate Casselman WDS 1553 -20253512068- 656 St isidore	COMP	CAP
Locate Casselman WDS 1553 -20253511782- 102 Laurier	COMP	CAP
Locate Casselman WDS 1553 -20253512301- 745 Brebeuf	APPR	CAP
Locate Casselman WDS 1553 -20253513173- 31 gange Cir	COMP	CAP
Locate Casselman WDS 1553 -20253513813- 120 Argile	COMP	CAP
Locate Casselman WDS 1553 -20253517427- 743 laval	COMP	CAP
Locate Casselman WDS 1553 -20253517408 ,26,28 Dennoyer	COMP	CAP
Total		43

Appendix D

Notifications to MECP

From: Caroline Lamarche
To: Durocher, Jean-Francois (il/lui) (MECP)
Cc: Dawn Crump; Gordon, Michelle (She/Her) (MECP)
Subject: Casselman DWS - PTTW Maximum Flow Rate Exceedance.
Date: September 2, 2025 11:21:16 AM
Attachments: image001.png

Good morning,

Please be advised that the Casselman DWS exceeded the PTTW maximum flow rate of 2,205 L/min but it did not exceed the maximum daily flow of 3,182,200 L/d.

The PTTW maximum allowable flow rate was exceeded for two short periods on August 19, 2025 as demonstrated in the table below:

PTTW Max Flow Rate (L/min)	Max (L/min)	Start Time	End Time	Duration	Exceedance
2205	2405	13:19:43	13:21:41	1:58	0:58
2205	2273	13:23:11	13:26:50	3:39	2:39

The Casselman water treatment plant is undergoing a chlorine dioxide pilot study on Actiflo Filter #1. During testing, to prevent chlorine dioxide from entering the clearwell, filter #1 effluent water is wasted. The flow rate exiting the filter when wasting is higher than the flow rate entering the filter. This causes the filter level to slowly decrease. On August 19th, to prevent the filter level from decreasing and to obtain more representative test results, the raw water inflow was increased. This temporary flow adjustment caused the maximum allowable PTTW flow rate to be exceeded.

For future testing, as necessary, Actiflo Filter #2 can be temporary shut off to allow increased flow to Filter #1 without exceeding the maximum allowable flow rate from the PTTW.

Should you have any questions or concerns, please do not hesitate to contact me.
Thank you!

Caroline

Caroline Lamarche
Process & Compliance Technician
Nation Valley Cluster
Cell: (613) 551-3386
ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

From: Durocher, Jean-Francois (il/lui) (MECP)
To: Caroline Lamarche
Cc: Dawn Crump
Subject: RE: Casselman DWS - Loss of Trending - Filter Effluent Turbidity
Date: September 4, 2025 2:43:47 PM
Attachments: image001.png

Allo Caroline,

Thank you for the detailed explanation. I'm glad the daily report was able to be pulled, to confirm that there were no turbidity issues during the loss of trending.

J-F DUROCHER
613-363-5149

From: Caroline Lamarche <CLamarche@ocwa.com>
Sent: September 4, 2025 2:32 PM
To: Durocher, Jean-Francois (il/lui) (MECP) <Jean-Francois.Durocher@ontario.ca>
Cc: Dawn Crump <Dcrump@ocwa.com>
Subject: Casselman DWS - Loss of Trending - Filter Effluent Turbidity

Good afternoon J-F,

Please be advised that between 3:13 pm on September 2nd and 10:17 am on September 3rd, the filter effluent turbidity trending, for both filters, was not functional. During this time, the water treatment plant operated for a total of 9:59 hours as demonstrated in the Table 1.

Table 1.

Start Time	End Time	Total Run Time
15:13 (September 2)	16:27 (September 2)	1:14
18:44 (September 2)	00:29 (September 3)	5:45
07:17 (September 3)	10:17 (September 3)	3:00

The water treatment plant is currently undergoing an PLC upgrade which requires function from the previous PLC to be transferred to the new one. On September 2 at 3:13 pm, a setting did not transfer properly causing filter #1 & filter #2 effluent turbidity to stop recording. The alarms were still active and the daily report was still able to pull the entire turbidity readings as demonstrated in Table 2.

Table 2.

Date	Filter #1		Filter #2	
	Min Filter Effluent Turbidity (NTU)	Max Filter Effluent Turbidity (NTU)	Min Filter Effluent Turbidity (NTU)	Max Filter Effluent Turbidity (NTU)
September 2, 2025	0.06	0.11	0.10	0.17
September 3, 2025	0.06	0.12	0.10	0.13

The missing trending was discovered on the morning of September 3rd during trending review and the trending error was subsequently fixed allowing normal trending to return at 10:17 am on September 3rd, 2025.

Please let me know if you have any questions,
Thank you!

Caroline

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