

Monthly Operations Report

for the Municipality of Casselman's Water and
Wastewater Systems

September 2023



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Table of Contents

Section 1 - Monthly Operations Report Card

Section 2 - Facility Listing

Section 3 - Compliance

Section 4 - Facility Performance

Section 5 - Drinking Water Quality Management System (DWQMS)

Section 6 - Maintenance / Capital / Added Value

Section 7 - Complaints

Section 8 - Recommendations / General Comments

Appendices

Appendix A – Performance Assessment Reports

Appendix B – Work Order Summary Report

Appendix C – Locate Summary

Appendix D – AWQI Notification to MECP

A decorative graphic in the bottom right corner of the page. It features a light blue sun with a thick, curved band across its face, and several wavy, horizontal bands below it, representing water or waves. The graphic is partially cut off by the right edge of the page.

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>Filter turbidity exceedance</i>
<i>Actual Result</i>		1	
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>		100 %	
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 1 MBBR (Moving Bed Biofilm Reactor)
5976 - Casselman Wastewater Collection System	6 Sewage Pumping Stations + Wastewater Collection System

SECTION 3 – COMPLIANCE

One AWQI was reported for Casselman’s Drinking Water System. The monthly filter performance criteria of <0.3 NTU 95% of the time was not achieved for the month of June 2023. Please see the AWQI notification submitted to MECP, attached in Appendix D.

The most recent MECP inspections are listed below:

Location	Inspector	Inspection Rating (%)	Date
Casselman Water	Jean-Francois Durocher	100	February 9, 2023
Casselman Sewage	<i>*OCWA has no recent sewage system inspections on file.</i>		

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 14 after-hours call-in alarms
- Replaced hydrant and valve on Sarah Street
- Changed oil on both Actiflo mixers
- Performed oil changes & servicing on WTP chemical pumps
- Completed dead end flushing in distribution system

Wastewater Treatment & Collection

- Responded to 3 after-hours call-in alarms
- SPS #1 compactor plugged due to rags
- Communication issue at SPS #6 (Flygt system)
- Installed new Outpost panel at lagoon
- Cleaned disc filter and prepared for start up
- Performed maintenance in preparation for upcoming lagoon discharge

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

- 38 locates were completed in September.

Water Treatment & Distribution

- Capital/Major Maintenance projects approved for 2023 are underway.
- OCWA staff continued working with chemist Dr. Dallala on behalf of the Municipality.

Wastewater Treatment & Collection

- Capital/Major Maintenance projects approved for 2023 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: 2023
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)	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	30,573	986	1259	1.10	2.49	1.00	2.26	8.30	8.40	242	0.12	0.20	0.22	0.33	3.00	3.20	224	0.07	0.18	53.75	32.13	< 0.0009
FEB	28,511	1018	1342	1.33	2.55	0.70	2.02	4.00	4.00	372	0.12	0.18	0.27	0.42	1.40	1.70	361	0.12	0.34	-	-	-
MAR	29,920	965	1223	1.38	2.37	1.01	2.00	4.60	4.60	330	0.16	0.19	0.26	0.35	2.00	2.00	329	0.06	0.09	-	-	-
APR	31,287	1043	1266	0.83	3.60	0.79	1.79	3.30	5.60	169	0.11	0.13	0.34	0.53	1.60	1.70	161	0.03	0.04	27.00	26.80	< 0.0009
MAY	38373	1238	1571	0.85	2.87	0.30	2.63	6.90	6.90	222	0.13	0.19	0.48	0.77	2.00	2.00	218	0.03	0.05	-	-	-
JUN	39275	1309	1879	1.50	2.37	0.66	2.33	3.30	3.30	275	0.31	0.88	1.04	4.43	1.60	1.60	281	0.11	0.55	-	-	-
JUL	39232	1266	1988	0.73	3.10	0.58	2.40	5.20	5.20	274	0.62	1.22	4.06	13.20	1.00	1.00	271	0.39	1.00	147.00	119.00	0.0024
AUG	36194	1168	1449	1.00	2.96	0.30	2.45	5.90	5.90	245	0.11	0.17	0.41	0.50	3.10	3.10	248	0.03	0.07	-	-	-
SEP	37708	1257	1524	0.97	3.26	0.46	2.06	8.50	8.50	308	0.20	0.53	0.45	0.73	4.40	4.40	287	0.03	0.06	-	-	-
OCT																						
NOV																						
DEC																						
TOTAL	311,074																					
AVG		1,139						5.56	5.82	270.78	0.21		0.84		2.23	2.30	264.44	0.10		75.92	59.31	0.0009
MAX			1,988		3.60		2.63							13.20				1.00				
MIN				0.73		0.30																
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		Max. Count	Max. E.coli Count
																	Treated	Distribution	Treated	Distribution		
JAN	38,963	1257	1790	2195	0.14	0.56	0.08	0.84	99.71	99.71	11	3	0.44	0.90	70	81	5	15	0	0	16,200	66
FEB	38,499	1375	1666	2149	0.15	0.34	0.10	0.29	99.97	99.97	3	6	-	-	65	87	4	12	0	0	1,860	85
MAR	38,816	1252	1606	2016	0.16	0.72	0.11	0.38	98.93	98.93	3	5	-	-	82	86	4	12	0	0	780	76
APR	39,411	1314	1963	2086	0.18	0.81	0.14	0.71	97.00	98.39	3	11	-	-	96	86	4	12	0	0	19,600	45
MAY	45,286	1461	1750	2021	0.21	0.83	0.15	0.71	92.56	97.25	14	9	-	-	63	85	5	15	0	0	2,400	152
JUN	44,165	1472	2317	2171	0.28	0.93	0.20	0.86	71.41	90.61	12	9	0.90	3.70	81	86	4	12	0	0	50	14
JUL	47,573	1535	2070	2215	0.35	0.86	0.38	0.98	50.56	63.44	15	7	2.83	5.00	73	87	5	16	0	0	20,000	290
AUG	41,731	1346	1844	1993	0.15	0.80	0.19	0.68	98.96	96.84	10	4	0.29	1.55	75	72	4	12	0	0	110	26
SEP	42,782	1426	1737	1970	0.18	0.90	0.24	0.68	94.45	90.74	15	6	0.33	0.69	68	69	4	12	0	0	150	12
OCT																						
NOV																						
DEC																						
TOTAL	377,225																39	118	0	0		
AVG		1,382			0.20		0.18		89.28	92.88	9.6	6.7	0.96									
MAX			2,317	2,215		0.93		0.98			15	11		5.00							20,000	290
MIN															63.00	69.00						
CRITERIA			3,182	2,205		<1		<1	>95%	>95%			<5	>40								

COMMENTS: * Treated Water OL Turbidity - No reliable readings trended on SCADA from January 20th - 31th, February, March, April, May, June 1 to June 14th 2023
 ** Added Individual Filtter Efficiency Tracking in April 2023
 *** Raw Water Flow Rate Spike above 2205 L/min on July 17, 2023 for less then 1 minute.

Appendix B

Work Order Summary Reports



Monthly Work Order Summary – September 2023

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
Drive VFD Inspection (6m) 5971	APPR	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
Electric Heater Inspection (1y) 5971	APPR	PM
Louvre (1y) Inspection 5971	APPR	PM
MCC Insp/Service (1y) - 5971	APPR	PM
Tank Pressure Insp/Service (1y) 5971	APPR	PM
Mixer Chemical Inspection (3m) 5971	COMP	PM
PANEL ALARM/DIALER TEST (1m) - 5971	COMP	PM
Panel Control Inspection/Service (1y) 5971	APPR	PM
Panel Control SCADA Inspection/Service (1y) 5971	APPR	PM
Tank Chemical Inspection (1y) 5971	APPR	PM
Tank Water Clearwell Inspection (1y) 5971	COMP	PM
Tank Hot Water Insp. (1y) - 5971	COMP	PM
Tank Process (1y) Inspection 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
Analyzer Turbidity Inspection/Service (1m) 1501	COMP	PM
WISKI Monthly Review(1m) 5971	COMP	PM
UV Sensor Reference Check/Calibration (1m) - 5971	COMP	PM
Natural Gas Heater Inspection (1y) 5971	APPR	OPER
Relief Valve UV Room Inspection (3m) 5971	APPR	OPER
Workplace Inspection (1m) - 5971	COMP	OPER
Capital - Casselman - WTP - 5971 - Replacement valves for acitflo's	COMP	CAP
Casselman 5971 Active flow 2 pressure differential failure	COMP	CAP
Capital VOR Hydrant Repairs/Rebuilds Casselman Dist 1553	APPR	CAP
Casselman - 1553 - WD - Turn On Water Service - 54 Laurier St	COMP	CAP

Monthly Work Order Summary – September 2023
Casselman Drinking Water System

Call Back - Casselman WTP - 5971 - Filter #1 High Turbidity	COMP	CALL
Call Back - Casselman WTP - 5971 - Low Chlorine Alarm	COMP	CALL
Call Back - Casselman WTP - 5971 - Filter #1 Backwash Valve Alarm & High Turbidity	COMP	CALL
Casselman 5971 Actiflo 1 Backwash process	COMP	CALL
CallBack - Back Wash Valve - Casselman WTP - 5971	COMP	CALL
CallBack - Filter 2 High Pressure - Casselman WTP - 5971	COMP	CALL
CallBack - Actiflo 1 Back Wash Valve - Casselman WTP - 5971	COMP	CALL
Call Back - Casselman - 5971 - WTP - High level filter 2	COMP	CALL
Call Back - Casselman - 5971 - WTP - High-high filtered water turbidity in acitflo #1	COMP	CALL
Call Back - Casselman - 5971 - WTP - High level and back to back backwashes for filters	COMP	CALL
Water Taking Permits Renewal - 5971 Casselman DWS	COMP	ADMIN
QEMS05 DWQMS External Audit Casselman 5971	APPR	ADMIN

Monthly Work Order Summary – September 2023
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 (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
Outpost Panel Inspection/Maintenance (1y) 1501	APPR	PM
PANEL ALARM/DIALER TEST (1m) - 1501	COMP	PM
PANEL ALARM/DIALER TEST (1m) - 1501	COMP	PM
PANEL ALARM/DIALER TEST (1m) - 1501	COMP	PM
PANEL ALARM/DIALER TEST (1m) - 1501	COMP	PM
PANEL ALARM/DIALER TEST (1m) - 1501	COMP	PM
PANEL ALARM/DIALER TEST (1m) - 1501	COMP	PM
PANEL ALARM/DIALER TEST (1m) - 1501	COMP	PM
UPS LAGOON (1y) 1501	APPR	PM
PANEL ALARM/DIALER TEST (1m) - 1501	COMP	PM
WISKI Monthly Review(1m) 1501	COMP	PM
Workplace Inspection (1m) - 1501	COMP	OPER
Capital Tree Cutting Casselman Sewage 1501	COMP	CAP
Casselman Sewage 1501 -SPS 6 low level	COMP	CALL
Call Back - Casselman - 1501 - WWT - Compactor and screener fault (Blockage overload)	COMP	CALL
Call Back - Casselman -1501 - WWT - Communication issues at SPS 6	COMP	CALL

Appendix C

Locate Summary



Casselman Monthly Locate Summary – September 2023

Description	Status	Work Type
Locate Casselman WDS 1553 - 2023349629 - 17 Industriel	COMP	OPER
Locate Casselman WDS 1553 - 2023349649 - 46 Racine	COMP	OPER
Locate Casselman WDS 1553 - 20233419208 - HWY 417	COMP	OPER
Locate Casselman WDS 1553 - 20233520510 - 45 Industriel	COMP	OPER
Locate Casselman WDS 1553 - 20233522817 - Lafontaine Rd	COMP	OPER
Locate Casselman WDS 1553 - 2023360811 - 778 Brebeuf St	COMP	OPER
Locate Casselman WDS 1553 - 2023361455 - 773 St Jean	COMP	OPER
Locate Casselman WDS 1553 - 20233515829 - Coession Rd 5 and Laurier St	COMP	OPER
Locate Casselman WDS 1553 - 2023365360 - 673 Duhamel	COMP	OPER
Locate Casselman WDS 1553 - 2023366530 - 621 St Isidore	COMP	OPER
Locate Casselman WDS 1553 - 2023367546 - 280 Nature St	COMP	OPER
Locate Casselman WDS 1553 - 2023369630 - 779 Levesque	COMP	OPER
Locate Casselman WDS 1553 - 20233611672 - 43 Faucher	COMP	OPER
Locate Casselman WDS 1553 - 20233523559 - 2 Sarah St	COMP	OPER
Locate Casselman WDS 1553 - 20233512139 - 637 St Isidore	COMP	OPER
Locate Casselman WDS 1553 - 20233523343 - 832 Laval St	COMP	OPER
Locate Casselman WDS 1553 - 2023372892 - 280 Nature St	COMP	OPER
Locate Casselman WDS 1553 - 2023374051 - 135 Laurier St	COMP	OPER
Locate Casselman WDS 1553 - 2023376133 - 544 Barrage St	COMP	OPER
Locate Casselman WDS 1553 - 2023361768 - 765 Laval St	COMP	OPER
Locate Casselman WDS 1553 - 20233713358 - 143 + 149 Laurier St	COMP	CAP
Locate Casselman WDS 1553 - 20233716002 - 764 Levesque St	COMP	CAP
Locate Casselman WDS 1553 - 2023371430 - 106 Laurier St	COMP	CAP
Locate Casselman WDS 1553 - 20233712762 70 Lafleche	COMP	CAP
Locate Casselman WDS 1553 - 20233721256 - Principale and DuBoise	COMP	CAP
Locate Casselman WDS 1553 - 20233726734 - 688 St Isidore	COMP	CAP
Locate Casselman WDS 1553 - 20233726745 - 268 Nature St	COMP	CAP
Locate Casselman WDS 1553 - 20233523039 - 865 Principale St	COMP	CAP
Locate Casselman WDS 1553 - 20233814390 - 819 St Isidore	COMP	CAP
Locate Casselman WDS 1553 - 20233817290 - DuBoise St	COMP	CAP
Locate Casselman WDS 1553 - 2023391980 - 568 St Isidore	COMP	CAP
Locate Casselman WDS 1553 - 20233723026 - 760 Aurele Rd	COMP	CAP
Locate Casselman WDS 1553 - 2023396864 - 678 St Joseph	COMP	CAP
Locate Casselman WDS 1553 - 20233918568 - 5 Martin St	COMP	CAP
Locate Casselman WDS 1553 - 20233918926 - 695 Aurele Rd	COMP	CAP
Locate Casselman WDS 1553 - 20233919023 - 29 Isabelle St	COMP	CAP
Locate Casselman WDS 1553 - 20233919252 - 783 Montcalm St	COMP	CAP
Locate Casselman WDS 1553 - 20233921822 - 51 - 57 Isabelle St	COMP	CAP
Total		38

Appendix D

AWQI Notification to MECP



Instructions

These Notice forms apply to drinking water system owners and operators (Owners/Operators) and Ministry of the Environment, Conservation and Parks (MECP) licensed laboratories (Licensed Laboratories) regulated by Drinking Water Systems Regulation, Ontario Regulation 170/03 (O. Reg. 170/03).

Immediate Report of Adverse Results

Section 16-3(3) of Schedule 16 of O. Reg. 170/03 sets out the requirements for Owners/Operators and Licensed Laboratories to make an immediate report of adverse test results under O. Reg. 170/03 by speaking in person or by telephone to the MECP's Spills Action Centre (SAC), at 1-800-268-6060 or 416-325-3000, the local Medical Officer of Health/Health Unit (Health Unit) and the Owner/Operator (Immediate Report).

[Adverse test results for trihalomethanes (THMs) or haloacetic acids (HAAs) do not require an Immediate Report; see section below.]

Written Notice within 24 hours of the Immediate Report

Within 24 hours of an Immediate Report, Section 16-7(3) of Schedule 16 requires that Owners/Operators and Licensed Laboratories also provide written notice to the MECP and the Health Unit, by fax or e-mail. Licensed Laboratories must complete and submit Sections 1 and 3 of this Notice. Owners/Operators must complete and submit Section 2A of this Notice. **Note:** Section 3 is not required to be completed for operational parameter incidents which have no correlating adverse results.

Notice Within 7 Days of Issue Resolution

Within 7 days after the issue has been resolved, Section 16-9(1) of Schedule 16 requires that Owners/Operators must provide a written notice, Section 2B of this Notice, to SAC and the Health Unit, summarizing the actions taken and the results achieved. This written notice must also be sent to the interested authority for any designated facility (if applicable) within 30 days.

Owners and Operators must follow any additional corrective actions required by the Health Unit.

Total Trihalomethanes (THMs) and Haloacetic Acids (HAAs)

As of January 2016 for THMs and January 2020 for HAAs, Sections 16-6 and 16-7 of Schedule 16 require that Owners/Operators and Licensed Laboratories calculate the running annual average (RAA) for THMs and HAAs and report any adverse test result in writing to the MECP and the Health Unit within 7 calendar days of the end of the calendar quarter that produced the adverse test result. The written notice is to be submitted using Section 2C of this Notice. RAA calculation is outlined in Schedule 13-6 of O. Reg. 170/03.

Immediate oral notification is no longer required for these parameters.

Licensed Laboratories that upload all the THM and HAA test results into the ministry's data system and provide the results to Owners/Operators within 48 hours of the test result being authorized at the laboratory, may be exempt from the RAA reporting requirements noted above.

Note: Small municipal residential systems and non-municipal year-round residential systems that serve designated facilities also must notify the operator of each designated facility served by their system.

The 'Trihalomethane and Haloacetic Acid Sampling and Reporting Requirements Technical Bulletin' provides full details on the changes to the reporting requirements and provides examples for calculating quarterly and running annual averages. The Technical Bulletin is available on the ministry's web page via the following link:

<https://www.ontario.ca/page/total-trihalomethane-thm-reporting-requirements-technical-bulletin>

Fields marked with an asterisk (*) are mandatory.

SAC fax: 1-800-268-6061 or 416-325-3011

SAC e-mail: AWQI.Reporting@ontario.ca

Provincial standards for water quality are set out in:

[Safe Drinking Water Act, 2002](#)

[Ontario Regulation 169/03 \(Water Quality Standards\)](#)

[Ontario Regulation 170/03 \(Drinking Water Systems\)](#)

Failure to notify these parties in accordance with the Regulation constitutes an offence under the *Safe Drinking Water Act*. A copy of this form may be acquired through the MECP public website (www.ontario.ca/drinkingwater) or by contacting any MECP office.

Collection of information on this form is done in accordance with the [Safe Drinking Water Act, 2002](#) and its Regulations. Information gathered herein, including personal information, is governed by the *Freedom of Information and Protection of Privacy Act* (FIPPA) and may be disclosed to other government agencies (including municipal health unit employees) pursuant to 'Section 42' of the FIPPA for the consistent purpose of administering any Act or program that pertains to drinking water safety. For questions and concerns, please contact the MECP at 1-866-793-2588.

Are you a *

Licensed Laboratory DWS

Which Section(s) of the Form do you need today?

Section 1 - Written Notice By Licensed Laboratory

Section 2A - Written Notice By Drinking Water System

Section 2B - Notice Of Issues Resolution

Section 2C - Written Notice By Drinking Water System Owner - Reporting RAA for THMs and HAAs

Section 3 - Adverse Analytical Results

**Notices of Adverse Test Results and
Issue Resolution (Schedule 16)**

Drinking Water Systems Regulation (O. Reg. 170/03)

Fields marked with an asterisk (*) are mandatory.

Section 2A – Written Notice By Drinking Water System (DWS) Owner (For THM and HAA reporting see Section 2C)

Indicators of Adverse Water Quality

AWQI Number * 163718 | Is this a resample? *
 Yes No Unknown If Yes, then provide initial AWQI number

Indicator of Adverse Results

- Microbiological * Chemical * Radiological * Operational * Licence/Order/Certificate Authority *
- Observations of Improperly disinfected water directed to water users
- Low Distribution Chlorine _____ mg/L
- High Turbidity _____ NTU
- Other Filter effluent Turbidity < 0.3 NTU 95%

Details of Adverse Result *

The monthly filter performance criteria (i.e. filter effluent turbidity < 0.3 NTU 95%) was exceeded for the month of September 2023. Filter #1 effluent turbidity was below 0.3 NTU for 94.45% of the month and Filter #2 effluent turbidity was below 0.3 NTU for 90.74% of the month.

DWS Information

DWS Name * Casselman Drinking Water System		DWS Number * 210001219
Last Name * Lamarche	First Name * Caroline	
Position * Process and Compliance Technician		
Email Address clamarche@ocwa.com	Telephone Number (including area code) ext. 613-448-3098	
Additional Comments		

Oral Notification to Health Unit - Person Contacted

Public Health Unit Name * Eastern Ontario Health Unit			
Last Name * Lamadelaine		First Name * Sylvie	
Position * Receptionist			
Telephone Number (including area code) * 800-267-7120 ext.	Fax Number (including area code) 613-933-7930	Date (yyyy/mm/dd) * 2023/10/05	Time (hh:mm) * 9:20 AM

Fields marked with an asterisk (*) are mandatory.

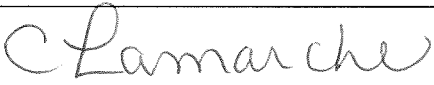
Section 2A continued

DWS Person Providing Oral Notification * Caroline Lamarche	Email Address clamarche@ocwa.com
---	-------------------------------------

Corrective Actions to be Taken by Owner/Operator

Corrective Actions	Required *	Completed	Comments
Resample and Test (including upstream, downstream and at AWQI location)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Disinfection Restored / Increased	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Mains / Pipes Flushed	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Signs Posted (Do Not Drink Water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Users Advised to Boil Water / Seek Alternate Source	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Other (Include any other Health Unit directions and any additional attachments)			
Other:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Oral Notification to Spills Action Centre (SAC) - Person Contacted

Last Name * St-Denis	First Name * Neil	
Position * Environmental Officer		
DWS Person Providing Oral Notifying * Caroline Lamarche	Date (yyyy/mm/dd) * 2023/10/05	Time (hh:mm)* 10:10 AM
Initial DWS Notification Prepared by * Caroline Lamarche		
Signature 	Date (yyyy/mm/dd) * 2023/10/05	

Additional Comments

Idalia Milan an Environmental Health Analyst/Educator from the EOHU called back at 10:45 AM on October 5, 2023. No corrective actions required.

Do you have another adverse to report? * Yes No