

Monthly Operations Report

for the Municipality of Casselman's Water and
Wastewater Systems

June 2023



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>		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>		6	
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 1 MBBR (Moving Bed Biofilm Reactor)
5976 - Casselman Wastewater Collection System	6 Sewage Pumping Stations + Wastewater Collection System

SECTION 3 – COMPLIANCE

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

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 11 after-hours call-in alarms
- Lowered curb stop and clean out at 393 Dore
- Repaired hydrant at Yvon & Joseph
- Froze service at 766 Principale for repairs to be completed inside the home
- Repaired hydrant located at Canadian Tire
- Flow testing completed on Principale Street
- Cleaned partially plugged transfer pipe to remove build-up at sodium hydroxide injection point
- New fuel tank installed at the WTP has been hooked up to the generator
- ESA conducted an electrical inspection at the WTP

Wastewater Treatment & Collection

- Responded to one after hours call-in for a high level at SPS #6
- New fuel tank installed at SPS #1 has been hooked up to the generator

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
Casselman Drinking Water System	June 21	1 coloured water/chlorine odour complaint was received by OCWA from a resident on June 21 st .
Casselman Drinking Water System	June 29	1 coloured water complaint was received by OCWA from a resident on June 29 th .
Casselman Drinking Water System	June 30	6 coloured water complaints were received by OCWA on June 30 th . A notice to advise residents that the coloured water was due to elevated levels of manganese in the drinking water system was posted by the Municipality.

SECTION 8 – RECOMMENDATIONS / GENERAL COMMENTS

General

- 76 locates were completed in June.

Water Treatment & Distribution

- Testing for Microcystin in the raw and treated water in accordance with the Municipal Drinking Water License (MDWL) began in June.
- Capital/Major Maintenance projects approved for 2023 are underway.

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 (m³)	Avg. Flow (m³)	Max Day Flow (m³)	Min. Free Cl₂ Resid. (mg/L)	Max Free Cl₂ 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	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																						
AUG																						
SEP																						
OCT																						
NOV																						
DEC																						
TOTAL	197,939																					
AVG		1,093						5.07	5.47	268.33	0.16		0.44		1.93	2.03	262.33	0.07		40.38	29.46	0.0009
MAX			1,879		3.60		2.63												0.55			
MIN				0.83		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 (m³)	Avg. Day Flow (m³)	Max. Flow (m³)	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/cm²)	Min UVT (%)	Safe		Adverse		Max. Coliform 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	16200	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	1860	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	19600	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	800	44	
JUN	44,165	1472	2317	2168	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																							
AUG																							
SEP																							
OCT																							
NOV																							
DEC																							
TOTAL	245,139																26	78	0	0			
AVG		1,355			0.19		0.13		93.26	97.48	7.7	7.2	0.67										
MAX			2,317	2,195		0.93		0.86			14	11		3.70							19600	85	
MIN															63.00	81.26							
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

**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: 2023
WATER COURSE: NATION RIVER
DESIGN CAPACITY: 2,110 m³/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	48,260	1,557	2,167	175	167	240	36.8	4.10	131,702	4,248	4,906	7.6	12.0	15.80	0.36	19.5	7.1	0.09	2717
FEB	45,524	1,626	1,948	192	500	660	82.0	9.14	56,404	2,014	2,344	4.3	10.3	11.14	0.47	14.2	18.5	0.12	738
MAR	61,249	1,976	2,888	188	294	480	52.0	6.29	60,153	1,940	3,458	4.0	8.0	0.91	0.36	2.6	29.1	0.07	598
APR	69,141	2,305	3,316	191	97	156	33.3	3.73	106,114	3,790	4,734	3.3	5.8	0.72	0.51	2.4	15.8	0.07	20
MAY	47,919	1,546	2,216	163	329	850	33.4	6.42	33,643	4,205	4,977	3.0	5	0.08	0.45	1.4	10.2	0.05	2
JUN	36,924	1,231	1,289	92	293	590	86.0	9.22											
JUL																			
AUG																			
SEPT																			
OCT																			
NOV																			
DEC																			
TOTAL	309,017								388,016										
AVG		1,707		167	280	496	54	6.48		3,240		4.4	8.2	5.7	0.4	8.02	16.13	0.08	815
MAX			3,316		500	850	86	9.22			4,977	7.6	12.0	15.8	0.5	19.54	29.05	0.12	2,717
CRITERIA																			
A									Fall Discharge	267,650	2,909								
									Winter/Spring Dircharge	502,500	3,722	5,000							

COMPLIANCE											YES								
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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	17.0	0.10	0.08	-	-	-	-
FEB	-	-	-	-	-	-	-	-
MAR	-	-	-	-	-	-	-	-
APR	3.5	136.0	0.06	0.33	2.75	19.0	0.20	0.10
MAY	3.0	17.5	0.05	0.12	3.0	78.5	0.05	0.09
JUN								
JUL								
AUG								
SEPT								
OCT								
NOV								
DEC								
TOTAL								
AVG	3.2	57	0.07	0.18	2.9	48.8	0.13	0.10
MAX	3.5	136	0.10	0.33	3.0	78.5	0.20	0.10
CRITERIA								

COMPLIANCE								
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Comments:

*No Upstream Samples required to be collected when downstream sampling is not feasible (January 31, February, March)

**No Downstream samples were taken due to ice cover on the Nation River (January, February, March)

Appendix B

Work Order Summary Reports



Monthly Work Order Summary – June 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
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
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
Analyzer Turbidity Inspection/Service (1m) 1501	COMP	PM
Analyzer Chlorine Portable Verification Caroline (1m) 1555	COMP	PM
WISKI Monthly Review(1m) 5971	COMP	PM
UV Sensor Reference Check/Calibration (1m) - 5971	COMP	PM
Relief Valve UV Room Inspection (3m) 5971	APPR	OPER
Workplace Inspection (1m) - 5971	COMP	OPER
Annual Corporate H&S Checklist (1y) - 5971	APPR	OPER
AWQI Adverse Drinking Water Sample - Filter 1 - 95 % Efficiency - 5971	APPR	OPER
Capital Casselman WTP 5971 fuel lines for generators	COMP	CAP
MM - Emergency Repair NAOH Injection Pipe Cleaning - Casselman WTP - 5971	COMP	CAP
Call Back - Casselman - 5971 - WTP - Power outage at plant	COMP	CALL
Casselman wtp-5971 Filter backwash	COMP	CALL
Call Back - Casselman - 5971 - WTP - High settled water turbidity filter 1 \ back to back backwashes	COMP	CALL
Casselman wtp-5971 High transfer tank	COMP	CALL
Casselman 5971 Actiflo 2 fault Air valve failed	COMP	CALL
Call Back - Casselman 5971 WTP - High turbidity with acitflo #1 and #2 and manganese issues	COMP	CALL
Call Back - Casselman - 5971 - WTP - High transfer tank and filters shutdown	COMP	CALL
Call Back - Casselman - 5971 - WTP - Scada issues, high filtered water turbidity and transfer tank	COMP	CALL
Call Back - Casselman WTP - 5971 - Power blink	COMP	CALL
Call Backs - Casselman WTP - 5971 - Transfer Tank High Level Alarms	COMP	CALL

Monthly Work Order Summary – June 2023
Casselman Drinking Water System

CallBack - High turbidity - Casselman WTP - 5971	COMP	CALL
Hydrant Ends Flushing (1m) 1553	COMP	OPER
Casselman - 1553 - WDS - Water service shut off - 12 Martin St	COMP	CAP
Casselman - 1553 - WDS - Water service repair - 393 Dore St	COMP	CAP
MM - Distribution Maintenance Laurier St Loop valve repairs - Casselman Dist 1553	COMP	CAP
Casselman - 1553 - WDS - Water service shut off - 35 Industrial	COMP	CAP
Casselman - 1553 - WDS - Water service shut off - 766 Principale St	COMP	CAP

Monthly Work Order Summary – June 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
Transmitter Flow (1y) Service 1501	APPR	PM
Generator Inspection (1m) 1501	COMP	PM
Analyzer Turbidity Inspection/Service (1m) 1501	COMP	PM
PANEL ALARM/DIALER TEST (1m) 1501	COMP	PM
UPS SPS #4 (1y) 1501	APPR	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 (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
WISKI Monthly Review(1m) 1501	COMP	PM
Workplace Inspection (1m) - 1501	COMP	OPER
Capital Replacement belts for pumps Casselman Sewage 1501	COMP	CAP
Casselman 1501 SPS6 High/Low level Foaming	COMP	CALL

Appendix C

Locate Summary



Casselman Monthly Locate Summary – June 2023

Description	Status	Work Type
Locate Casselman WDS 1553 - 2023224556 - 52 - 54 Racine St	COMP	OPER
Locate Casselman WDS 1553 - 2023229059 - St Isidore	COMP	OPER
Locate Casselman WDS 1553 - 20232210916 - 62 Racine St	COMP	OPER
Locate Casselman WDS 1553 - 20232211309 - 599 St Isidore	COMP	OPER
Locate Casselman WDS 1553 - 20232211341 - 52 Faucher	COMP	OPER
Locate Casselman WDS 1553 - 20232211405 - 280 + 276 Nature	COMP	OPER
Locate Casselman WDS 1553 - 20232211788 - 284 + 288 Nature	COMP	OPER
Locate Casselman WDS 1553 - 20232211855 - 643 Des Epinettes	COMP	OPER
Locate Casselman WDS 1553 - 20232211942 - 236 Argile	COMP	OPER
Locate Casselman WDS 1553 - 20232212087 - 114 Laurier	COMP	OPER
Locate Casselman WDS 1553 - 20232212122 - 654 St Joseph	COMP	OPER
Locate Casselman WDS 1553 - 20232212156 - 9 to 2 Vanessa	COMP	OPER
Locate Casselman WDS 1553 - 20232212753 - 131 Laurier St	COMP	OPER
Locate Casselman WDS 1553 - 20232212761 - 792 Joliette	COMP	OPER
Locate Casselman WDS 1553 - 20232215613 - 862 to 870 Laval	COMP	OPER
Locate Casselman WDS 1553 - 20232215678 - 866 Principale	COMP	OPER
Locate Casselman WDS 1553 - 20232215761 - 15 Martin	COMP	OPER
Locate Casselman WDS 1553 - 20232215913 - 43 Faucher	COMP	OPER
Locate Casselman WDS 1553 - 2023226002 - 22 Alice St	COMP	OPER
Locate Casselman WDS 1553 - 20232227318 - 700 Des Pins	COMP	OPER
Locate Casselman WDS 1553 - 2023211924 - 137 Argyle	COMP	CAP
Locate Casselman WDS 1553 - 2023228058 - 517 Barrage	COMP	CAP
Locate Casselman WDS 1553 - 20232228293 - 729 St Joseph	COMP	CAP
Locate Casselman WDS 1553 - 2023210779 - 320 Nature St	COMP	CAP
Locate Casselman WDS 1553 - 2023232246 - 15 Percy	COMP	CAP
Locate Casselman WDS 1553 - 2023237335 - 596 St Isidore	COMP	CAP
Locate Casselman WDS 1553 - 20232218600 - 120 to 118 Laurier	COMP	CAP
Locate Casselman WDS 1553 - 20232319067 - 45 Faucher	COMP	CAP
Locate Casselman WDS 1553 - 20232319507 - 661 St Anne	COMP	CAP
Locate Casselman WDS 1553 - 20232320448 - 47 Faucher	COMP	CAP
Locate Casselman WDS 1553 - 20232317808 - 778 Brebeuf	COMP	CAP
Locate Casselman WDS 1553 - 20232325171 - 788 Laval	COMP	CAP
Locate Casselman WDS 1553 - 20232325826 - 745 Brebeuf	COMP	CAP
Locate Casselman WDS 1553 - 2023240874 - 665 Conservation	COMP	CAP

Casselman Monthly Locate Summary – June 2023

Locate Casselman WDS 1553 - 2023247300 - 2 Sarah	COMP	CAP
Locate Casselman WDS 1553 - 2023248874 - 134 Argile	COMP	CAP
Locate Casselman WDS 1553 - 20232410299 - HWY 417	COMP	CAP
Locate Casselman WDS 1553 - 20232411248 - 201 Nature	COMP	CAP
Locate Casselman WDS 1553 - 20232411607 - 817 Principale	COMP	CAP
Locate Casselman WDS 1553 - 20232411782 - 45 Faucher	COMP	CAP
Locate Casselman WDS 1553 - 20232411768 - 47 Faucher	COMP	CAP
Locate Casselman WDS 1553 - 20232411723 - 665 St Anne	COMP	CAP
Locate Casselman WDS 1553 - 20232411700 - 661 St Anne	COMP	CAP
Locate Casselman WDS 1553 - 20232411801 - 51 Faucher	COMP	CAP
Locate Casselman WDS 1553 - 20232412172 - 25 Isabelle	COMP	CAP
Locate Casselman WDS 1553 - 20232413005 - 280 Nature St	COMP	CAP
Locate Casselman WDS 1553 - 20232417916 - 239 Argile St	COMP	CAP
Locate Casselman WDS 1553 - 20232418442 - River Nation Rd	COMP	CAP
Locate Casselman WDS 1553 - 2023246636 - 300 Dore St	COMP	CAP
Locate Casselman WDS 1553 - 20232423972 - 817 Principale St	COMP	CAP
Locate Casselman WDS 1553 - 20232426348 - 132 Argile St	COMP	CAP
Locate Casselman WDS 1553 - 20232426709 - 745 Brebeuf St	COMP	CAP
Locate Casselman WDS 1553 - 2023257066 - 9 Vanessa Crt	COMP	CAP
Locate Casselman WDS 1553 - 20232516058 - 54 Laurier St	COMP	CAP
Locate Casselman WDS 1553 - 20232516078 - Sarah St	COMP	CAP
Locate Casselman WDS 1553 - 20232517723 - 154 Laurier St	COMP	CAP
Locate Casselman WDS 1553 - 20232526940 - 765 Laval St	COMP	CAP
Locate Casselman WDS 1553 - 20232528521 - 769 Levesque St	COMP	CAP
Locate Casselman WDS 1553 - 2023263656 - Principale St and Concession Rd 7	COMP	CAP
Locate Casselman WDS 1553 - 2023266209 - 19 Albert	COMP	CAP
Locate Casselman WDS 1553 - 20232613678 - 22 Filion	COMP	CAP
Locate Casselman WDS 1553 - 20232613872 - 845 Principale St	COMP	CAP
Locate Casselman WDS 1553 - 20232617075 - Lafontaine Rd	COMP	CAP
Locate Casselman WDS 1553 - 20232617442 - 817 Principale St	COMP	CAP
Locate Casselman WDS 1553 - 20232619796 - Principale St	COMP	CAP
Locate Casselman WDS 1553 - 20232621058 - 280 - 288 Nature St	COMP	CAP
Locate Casselman WDS 1553 - 20232621535 - 51 Isabelle St	COMP	CAP
Locate Casselman WDS 1553 - 20232624188 - 1 Castonguay	COMP	CAP
Locate Casselman WDS 1553 - 20232414298 - 43 PERCY ST	COMP	CAP

Casselman Monthly Locate Summary – June 2023

Locate Casselman WDS 1553 - 20232417957 - 131 Laurier St	COMP	CAP
Locate Casselman WDS 1553 - 20232427671 - 108 Argyle St	COMP	CAP
Locate Casselman WDS 1553 - 20232513016 - 579 barage st	APPR	CAP
Locate Casselman WDS 1553 - 20232513165 - 22 fillion	COMP	CAP
Locate Casselman WDS 1553 - 20232513425 - 827 Principal St	COMP	CAP
Locate Casselman WDS 1553 - 20232520953 - 656 Dollard	COMP	CAP
Locate Casselman WDS 1553 - 20232417957 - 125-131 LAURIER	COMP	CAP
Total		76

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 * 162445
 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 June 2023. Filter #1 effluent turbidity was below 0.3 NTU for 71.41 % of the month and Filter #2 effluent turbidity was below 0.3 NTU for 90.61% 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) 613-448-3098 ext.	
Additional Comments		

Oral Notification to Health Unit - Person Contacted

Public Health Unit Name * Eastern Ontario Health Unit			
Last Name * Couture	First Name * Dominik		
Position * Receptionist			
Telephone Number (including area code) * 800-267-7120 ext.	Fax Number (including area code) 613-933-7930	Date (yyyy/mm/dd) * 2023/07/06	Time (hh:mm) * 2:05 AM

Fields marked with an asterisk (*) are mandatory.

Section 2A continued

DWS Person Providing Oral Notification *	Email Address
Caroline Lamarche	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
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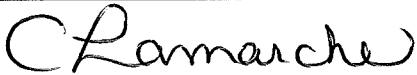
Oral Notification to Spills Action Centre (SAC) - Person Contacted

Last Name *	First Name *
Jageo	Anastazia

Position *
Environmental Officer

DWS Person Providing Oral Notifying *	Date (yyyy/mm/dd) *	Time (hh:mm)*
Caroline Lamarche	2023/07/06	2:10 PM

Initial DWS Notification Prepared by *
Caroline Lamarche

Signature	Date (yyyy/mm/dd) *
	2023/07/07

Additional Comments

Idalia Milan an Environmental Health Analyst/Educator from the EOHU called back at 16:10 on July 6, 2023. No corrective actions required.

Do you have another adverse to report? * Yes No