

Monthly Operations Report

for the Municipality of Casselman's Water and
Wastewater Systems

October 2022



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	October 2022	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>		2	
Water Main Flushing	Y	●	
<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>		0	
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 October. 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	March 10, 2022
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 received accreditation for Casselman’s Drinking Water System in August 2019.

The 2022 Re-Accreditation Audit by SAI Global is scheduled to take place in November 2022.

SECTION 6 - MAINTENANCE / CAPITAL / ADDED VALUE

Water Treatment & Distribution

- Responded to seven after-hours call-in alarms
- The fall flushing of the distribution system and winterizing of hydrants was completed

Wastewater Treatment & Collection

- Responded to two after-hours call-in alarms
- The discharge of Casselman’s lagoon system commenced October 3rd
- Repaired sewer lateral on St-Joseph Street

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 DWS	Oct. 1, 2022	Two complaints were received by email on Oct 1 st . OCWA followed up with the residents to request addresses and further information. No response received back from either resident.

SECTION 8 – RECOMMENDATIONS / GENERAL COMMENTS

General

- 50 locates were completed in October

Water Treatment & Distribution

- Approved Capital & Major Maintenance work for 2022 is ongoing

Wastewater Treatment & Collection

- Wastewater sampling as part of Queen’s University’s Covid sampling program continued in October.

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: 2022
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)	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
JAN	30632	988	1389	0.96	2.60	1.08	2.48	6.00	6.00	398.00	0.10	0.12	3.30	3.30	401.00	0.09	0.72	58.00	41.30
FEB	28433	1015	1367	0.78	2.60	1.06	2.37	3.60	4.70	478.00	0.18	0.90	2.00	2.50	480.00	0.08	0.14	-	-
MAR	31167	1005	1296	1.32	2.61	0.50	2.61	7.30	9.70	138.00	0.17	0.72	3.70	4.20	287.00	0.12	0.58	-	-
APR	31432	1048	1373	0.75	2.59	0.85	2.10	7.70	7.70	267.00	0.08	0.09	3.40	3.40	264.00	0.03	0.04	58.00	43.40
MAY	37972	1225	2029	0.39	2.24	1.04	2.10	6.30	6.30	285.00	0.11	0.19	2.90	2.90	282.00	0.03	0.07	-	-
JUN	37112	1237	1483	0.73	3.25	0.85	2.20	7.30	7.30	308.00	0.09	0.15	3.50	3.50	308.00	0.02	0.04	-	-
JUL	40529	1307	1618	0.44	2.74	0.58	1.83	7.80	7.80	344.00	0.18	0.35	3.70	3.70	333.00	0.03	0.04	163.00	126.00
AUG	39559	1276	1703	0.64	2.94	0.52	3.58	11.30	11.30	293.00	0.15	0.33	5.60	5.60	288.00	0.06	0.17	-	-
SEP	38211	1274	1828	0.67	2.64	0.76	2.06	8.40	8.40	297.00	0.25	0.61	3.10	3.10	311.00	0.05	0.16	-	-
OCT	33824	1091	1596	0.50	2.25	0.89	2.18	5.70	5.70	315.00	0.09	0.24	2.30	2.30	313.00	0.03	0.04	105.00	77.80
NOV																			
DEC																			
TOTAL	348,870																		
AVG		1,147						7.14	7.49	312.30	0.14		3.35	3.45	326.70	0.05		96.00	72.13
MAX			2,029		3.25		3.58					0.90					0.72		
MIN				0.39		0.50													
CRITERIA			3,182	CT		0.25	3.00											<100	<80

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)	Avg. Turbidity (NTU)	Max. Turbidity (NTU)	Avg. Turbidity (NTU)	Max. Turbidity (NTU)	Turbidity % < 0.3 NTU	Backwash TSS (mg/L)	Supernatant TSS (mg/L)	Avg. Turbidity (NTU)	Max. Turbidity (NTU)	Min UV Intensity (mJ/cm ²)	Safe		Adverse		Max. Count	Max. Count
														Treated	Distribution	Treated	Distribution		
JAN	38152	1231	1618	0.07	0.38	0.35	0.80	99.97	< 3	3	0.37	0.60	61.00	5	15	0	0	140	38
FEB	34681	1239	1686	0.08	0.24	0.06	0.69	99.93	7	6	0.61	0.98	70.00	4	12	0	0	17600	117
MAR	37198	1200	1546	0.11	0.39	0.07	0.78	99.85	3	6	0.53	0.94	67.00	4	12	0	0	180	51
APR	38033	1268	1824	0.13	0.33	0.10	0.60	99.88	6	6	0.34	0.97	76.00	4	12	0	0	470	20
MAY	46116	1488	2668	0.17	0.75	0.15	0.86	97.98	14	< 3	0.48	3.33	55.00	5	15	0	0	180	32
JUN	45684	1523	1796	0.14	0.41	0.13	0.78	99.39	< 3	4	0.50	0.76	56.00	4	12	0	0	260	28
JUL	49779	1606	2058	0.18	0.61	0.16	0.53	98.24	5	3	0.65	1.11	52.00	4	12	0	0	29	11
AUG	49799	1606	2164	0.13	0.41	0.12	0.55	99.90	9	5	0.61	2.66	64.94	5	15	0	0	150	58
SEP	47138	1571	2204	0.14	0.56	0.12	0.50	99.83	23	6	0.82	2.08	71.00	4	12	0	0	420	14
OCT	42638	1375	1869	0.41	0.96	0.39	0.89	36.19	5	48	0.74	2.73	67.00	5	15	0	0	30	13
NOV																			
DEC																			
TOTAL	429,218													44	132	0	0		
AVG		1,411		0.16		0.17		93.12	7.5	8.9	0.57								
MAX			2,668		0.96		0.89		23	48		3.33						17600	117
MIN													52.00						
CRITERIA			3,182	<1		<1		>95%				<5	>40						

COMMENTS:

**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: 2022
WATER COURSE: NATION RIVER
DESIGN CAPACITY: 3,500 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	33,727	1,088	1,355	134	166	300	79.3	8.86	76,800	2,477	3,120	4	16	9.0	0.2	-	10.5	1.3	897.1
FEB	33,078	1,181	1,281	142	247	530	79.8	8.30	40,171	1,435	1,440	4	12	9.2	0.4	18.7	18.6	0.7	857.6
MAR	65,061	2,099	3,300	155	198	385	33.5	3.11	34,836	1,124	3,944	6	8	11.2	0.5	14.5	17.0	0.1	600.0
APR	63,658	2,122	2,902	133	266	276	44.2	5.32	112,967	3,766	4,998	6	13	4.7	0.5	8.3	12.9	0.6	16.0
MAY	48,681	1,570	1,928	133	160	250	52.1	6.16	69,662	4,644	4,998	4	19	0.1	0.3	2.4	13.2	0.1	1.0
JUN	41,926	1,398	1,589	142	310	450	47.3	6.72											
JUL	37,334	1,204	1,319	170	236	670	51.8	7.79											
AUG	41,452	1,337	1,567	194	406	480	67.8	8.86											
SEPT	40,759	1,359	1,572	181	396	345	70.3	7.97											
OCT	34,063	1,099	1,276	190	309	720	55.0	7.37	61,260	2,112	2,630	3	7	0.2	0.4	4.1	7.4	0.3	6.0
NOV																			
DEC																			
TOTAL	439,739								395,695										
AVG		1,446		157	269	441	58	7.05		2,593		5	12	6	0.4	10	13	0.5	396
MAX			3,300		406	720	80	9			4,998	6.25	18.5	11.22	0.48	18.7	18.62	0	897.1
CRITERIA											5,000								
COMPLIANCE											YES								

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	4.6	11.6	4.86	0.22	-	-	-	-
FEB	3.0	7.0	0.64	0.07	-	-	-	-
MAR	3.0	102.3	0.12	0.22	-	-	-	-
APR	3.0	24.0	0.08	0.08	3.0	15.0	0.11	0.04
MAY	3.0	21.0	0.03	0.08	3.0	32.5	0.06	0.05
JUN								
JUL								
AUG								
SEPT								
OCT	3.0	10.6	0.03	0.07	3.4	15.2	0.03	0.08
NOV								
DEC								
TOTAL								
AVG	3	29	1	0.1	3	21	0	0
MAX	4.6	102.25	4.86	0.22	3.4	32.5	0.11	0.08
CRITERIA								
COMPLIANCE								

Comments:

*No Downstream samples were taken due to ice cover on the Nation River (Jan - Feb - Mar)

Appendix B

Work Order Summary Reports



Monthly Work Order Summary – October 2022 Casselman Drinking Water System

Description	Status	Work Type
Actuator (air) Inspection/Service (1y) 5971	APPR	PM
Analyzer Total Chlorine Inspection/Service (1m) 5971	COMP	PM
Analyzer pH Inspection/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
Gear Drive Sludge Pump Service (6m) - 5971	APPR	PM
Generator Inspection (1m) 5971	COMP	PM
Meter Level Inspection/Service (3m) 5971	APPR	PM
Sensor Gas Monitor Insp (6m) 5971	APPR	PM
Pump Submersible ACTIFLO Inspection (3m) 5971	APPR	PM
PANEL ALARM/DIALER TEST (1m) - 5971	COMP	PM
VALVE SLUICE GATE Lo Lift Inspection/Maintenance (1y) 5971	APPR	PM
Valve Regulating Treated Water Inspection (1y) 5971	APPR	PM
Valve Gate Raw Water Inspection/Maintenance (1y) 5971	APPR	PM
VALVE CHECK HI LIFT 03 INSP (1y) - 5971	APPR	PM
Valve Butterfly Filtered Water Inspection/Maintenance (1y) 5971	APPR	PM
UV Light Bank Insp/Service (1m) - 5971	COMP	PM
Workplace Inspection (1m) - 5971	COMP	OPER
Monthly H&S Equipment Check (1m) - 5971	COMP	PM
Quarterly 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

Monthly Work Order Summary – October 2022

Casselman Drinking Water System

Recirc pump 2 fault - Actiflo Shutdown 5971	COMP	CALL
Disinfection alarm, high Cl2	COMP	CALL
CLEAR WELL , HIGH LIFT PUMP (1y) - 5971	APPR	PM
Casselman - 5971 WTP - SCADA repair by Capital Controls	COMP	CAP
Casselman 5971 WTP - Plant shutdown due to high turbidity	COMP	CALL
Casselman 5971 - Electrical Safety Authority Mandated Repairs	COMP	CAP
Casselman 5971 WTP - Transfer tank and high turbidity in actiflo 2	INPRG	CALL
Casselman 5971 WTP - Recirculating pump actiflo #2 trip and High level actiflo #1 shutdown	INPRG	CALL
Casselman 5971 WTP - High filter turbidity and high level in actiflo #1	INPRG	CALL
UV Sensor Reference Check/Calibration (1m) - 5971	COMP	PM
Casselman wtp-5971 High clearwell/high chlorine	INPRG	CALL
Casselman - 5971 - Hach repair and maintenance for water plant and sewage plant	APPR	OPER
5971 - Casselman WTP - high filter effluent turbidity	COMP	OPER
5971 - Casselman WTP - high filter effluent turbidity	COMP	OPER
Casselman WTP 5971 Pressure Differential Transmitters Calibration	COMP	CAP
Casselman - 5971 - Clearing and making area for generator pad at plant	APPR	CAP
Hydrant Flushing & Winterization - 1553	COMP	PM

Monthly Work Order Summary – October 2022
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
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
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
Specific ECA - Bypass (3m) - 1501	COMP	PM
Workplace Inspection (1m) - 1501	COMP	OPER
Quarterly H&S Equipment Check (1m) - 1501	COMP	PM
Casselman Sewage 1501 Power outage	COMP	CALL
Casselman 1501 WTT - SPS 6 high and low level. Pump #2 fault	COMP	CALL
Casselman - 1501 - Sewer lateral repair at 754 St-Joseph St	APPR	CAP
Casselman Sewage SPS#1 1501 Fuel Tank Install	APPR	CAP

Appendix C

Locate Summary



Casselman Monthly Locate Summary – October 2022

Description	Status	Work Type
Locate Casselman WDS 1553 - 2022411011 - Argile St	COMP	OPER
Locate Casselman WDS 1553 - 20224022959 - 661 + 660 St Isidore	COMP	OPER
Locate Casselman WDS 1553 - 20224025774 - 707 Brebeuf	COMP	OPER
Locate Casselman WDS 1553 - 2022412415 - Dore St	COMP	OPER
Locate Casselman WDS 1553 - 2022413097 - Principale St	COMP	OPER
Locate Casselman WDS 1553 - 2022413157 - Principale and Martin St	COMP	OPER
Locate Casselman WDS 1553 - 20223920855 - 827 Laval St	COMP	OPER
Locate Casselman WDS 1553 - 2022417539 - 361 Dore St	COMP	OPER
Locate Casselman WDS 1553 - 20224111748 - 722 St Joseph	COMP	OPER
Locate Casselman WDS 1553 - 20224112202 - St Isidore	COMP	OPER
Casselman 1553 - Emergency locate - Downed power line at 135 Laurier St. located water for hydro	COMP	CALL
Locate Casselman WDS 1553 - 20224117722 - Principale and HWY 417	COMP	OPER
Locate Casselman WDS 1553 - 20224119749 - 640 Conservation	COMP	OPER
Locate Casselman WDS 1553 - 20224120492 - Aurele and Principale	COMP	OPER
Locate Casselman WDS 1553 - 2022420925 - Barrage St	COMP	OPER
Locate Casselman WDS 1553 - 2022424183 - Conservation St	COMP	OPER
Locate Casselman WDS 1553 - 20224122071 - 660 Conservation	COMP	OPER
Locate Casselman WDS 1553 - 20224122848 - 778 Brebeuf St	COMP	OPER
Locate Casselman WDS 1553 - 20224111015 - 41 Desnoyers	COMP	OPER
Locate Casselman WDS 1553 - 2022420146 - 288 Nature	COMP	OPER
Locate Casselman WDS 1553 - 20224117648 - Argile and Barrage St	COMP	CAP
Locate Casselman WDS 1553 - 2022422875 - Laurier St	COMP	CAP
Locate Casselman WDS 1553 - 2022427221 - 674 Des Erables	COMP	CAP
Locate Casselman WDS 1553 - 2022428257 - HWY 417 and Principale	COMP	CAP
Locate Casselman WDS 1553 - 20224213385 - 821 Principale	COMP	CAP
Locate Casselman WDS 1553 - 20224217347 - 2 Racine	COMP	CAP
Locate Casselman WDS 1553 - 20224218581 - Conservation St	COMP	CAP
Locate Casselman WDS 1553 - 2022430032 - 135 Laurier St	COMP	CAP
Locate Casselman WDS 1553 - 2022439587 - Barrage St	COMP	CAP
Locate Casselman WDS 1553 - 20224310302 - 748 Brebeuf St	COMP	CAP
Locate Casselman WDS 1553 - 20224311476 - 524 + 528 Barrage St	COMP	CAP
Locate Casselman WDS 1553 - 20224316356 - 45+43 Boileau	COMP	CAP
Locate Casselman WDS 1553 - 20224319497 - HWY 417	COMP	CAP
Locate Casselman WDS 1553 - 20224321435 - Principale and Lafleche	COMP	CAP
Locate Casselman WDS 1553 - 20224321465 - HWY 417 and Principale	COMP	CAP
Locate Casselman WDS 1553 - 20224321474 - Principale St	COMP	CAP
Locate Casselman WDS 1553 - 20224321491 - Principale St	COMP	CAP
Locate Casselman WDS 1553 - 20224321526 - Principale and County Rd 3	COMP	CAP
Locate Casselman WDS 1553 - 20224321179 - 70 Lafleche	COMP	CAP
Locate Casselman WDS 1553 - 20224322129 - 625 Principale St	COMP	CAP
Locate Casselman WDS 1553 - 2022445263 - 754 St Joseph	COMP	CAP
Locate Casselman WDS 1553 - 2022446140 - 821 Principale St	COMP	CAP
Locate Casselman WDS 1553 - 2022447211 - 653 St Isidore	COMP	CAP

Casselman Monthly Locate Summary – October 2022

Locate Casselman WDS 1553 - 2022446590 - 650 St Anne	COMP	CAP
Locate Casselman WDS 1553 - 2022447949 - 865 Principale St	COMP	CAP
Locate Casselman WDS 1553 - 20224413272 - 19 Sarah St	COMP	CAP
Locate Casselman WDS 1553 - 20224414787 - 106 to 110 Laurier St	COMP	CAP
Locate Casselman WDS 1553 - 20224416359 - 16 Brisson	COMP	CAP
Locate Casselman WDS 1553 - 20224417058 - 688 St Isidore	COMP	CAP
Locate Casselman WDS 1553 - 20224417078 - 12 Alice	COMP	CAP
Total		50

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 *
160560

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 October. The plant's effluent turbidity was below 0.3 NTU for 36.19% of the month of October.

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 *

Milan

First Name *

Idalia

Position *

Public Health Inspector

Telephone Number (including area code) *

800-267-7120

ext.

Fax Number (including area code)

613-933-7930

Date (yyyy/mm/dd) *

2022/11/04

Time (hh:mm) *

11:25 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 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 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 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 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 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 type="checkbox"/> N/A	
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Oral Notification to Spills Action Centre (SAC) - Person Contacted

Last Name *	First Name *
Date	Akiko

Position *
Environmental Officer

DWS Person Providing Oral Notifying *	Date (yyyy/mm/dd) *	Time (hh:mm)*
Caroline Lamarche	2022/11/04	12:25 PM

Initial DWS Notification Prepared by *
Caroline Lamarche

Signature	Date (yyyy/mm/dd) *
	2022/11/04

Additional Comments

Do you have another adverse to report? * Yes No