

Monthly Operations Report

for the Municipality of Casselman's Water and
Wastewater Systems

October 2024



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	✗	Filter turbidity exceedance
<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	100%	●	
<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

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 2024. 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 2, 2024
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 one after-hours call-in alarm
- Completed fall flushing & winterizing of hydrants in the water distribution system
- Repaired standpost at 23 Gagne
- Plugged pin hole leak in Actiflo #2
- Assisted Nichol Water Services with leak detection in the water distribution system
- Collaborated with L.W. Bray on the St. Isidore Water/Sewer Main replacement project

Wastewater Treatment & Collection

- Responded to one after-hours call-in alarm
- Lagoon discharge commenced October 15th

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

- 35 locates were completed in October.

Water Treatment & Distribution

- Capital/Major Maintenance projects approved for 2024 are underway.
- Kemira brought in to jar test different coagulants at the WTP
- Reverse Osmosis system being installed at the WTP for chemical mixing water
- Operations staff continued to work with Dr. Dallala and EVB on behalf of the Municipality.

Wastewater Treatment & Collection

- Capital/Major Maintenance projects approved for 2024 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: 2024
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	33,460	1079	1400	1.26	2.35	0.36	2.41	8.30	8.30	279	0.07	0.10	0.25	0.36	3.80	3.80	277	0.05	0.07	41.0	25.7	< 0.0009
FEB	31,549	1088	1356	1.25	2.00	1.11	2.28	6.30	6.30	339	0.09	0.12	0.26	0.36	3.30	3.30	327	0.05	0.07	-	-	-
MAR	33,671	1086	1269	1.20	1.93	1.15	2.26	7.10	8.10	243	0.11	0.21	0.33	0.97	4.00	4.10	226	0.05	0.09	-	-	-
APR	33,539	1118	1458	1.25	2.10	1.27	2.39	6.50	6.50	304	0.15	0.27	0.40	0.65	4.60	4.60	294	0.06	0.08	74.0	40.0	0.001
MAY	37887	1222	1679	0.65	2.30	0.63	2.48	8.20	9.80	266	0.09	0.13	0.48	0.65	1.60	3.30	268	0.04	0.07	-	-	-
JUN	39161	1305	1607	0.76	2.18	0.93	2.20	7.70	7.80	296	0.08	0.16	0.46	0.62	3.60	3.60	292	0.03	0.04	-	-	-
JUL	41919	1352	1708	0.67	2.50	0.60	2.32	8.70	8.80	283	0.08	0.11	0.35	0.48	3.80	3.80	256	0.04	0.06	120.00	75.30	2.000
AUG	43772	1412	2046	0.60	2.65	0.58	2.11	8.60	8.60	319	0.17	0.40	0.38	0.51	4.00	4.10	315	0.04	0.05	-	-	-
SEP	40851	1362	1616	0.63	2.40	0.62	1.80	9.80	10.20	297	0.11	0.15	0.39	0.42	4.90	5.10	292	0.03	0.04	-	-	-
OCT	41983	1354	1754	0.77	2.26	0.84	2.15	7.40	7.20	296	0.10	0.22	0.43	0.54	3.70	3.70	294	0.04	0.05	119.00	90.30	0.0009
NOV																						
DEC																						
TOTAL	377,792																					
AVG		1,238						7.86	8.16	292	0.11		0.37		3.73	3.94	284	0.04		88.5	57.8	0.0010
MAX			2,046		2.65		2.48					0.40		0.97					0.09			
MIN				0.60		0.36																
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		Coliform Max. Count	E.coli Max. Count
																	Treated	Distribution	Treated	Distribution		
JAN	41,605	1342	1659	1950.0	0.12	0.70	0.12	0.31	99.88	99.99	7	3	0.36	1.45	63	79	5	15	0	0	16,000	32
FEB	40,331	1391	1725	2204.6	0.18	0.65	0.11	0.26	99.63	100.00	33	6	0.47	2.00	53	80	4	12	0	0	19,800	88
MAR	40,408	1303	1910	2102.0	0.24	0.51	0.12	0.39	98.26	99.54	3	6	0.18	1.55	63	80	4	12	0	0	39,000	67
APR	40,854	1362	2006	2260.0	0.16	0.62	0.15	0.39	98.79	99.46	8	7	0.18	0.32	72	74	5	15	0	0	31,000	57
MAY	44,572	1438	1889	2144	0.17	0.74	0.17	0.68	97.42	98.77	50	7	0.22	0.60	72	70	4	12	0	0	2,800	140
JUN	44,971	1499	1939	2134	0.16	0.59	0.16	0.68	98.52	98.52	8	3	0.28	2.28	78	70	4	12	0	0	8,000	290
JUL	47,034	1517	1809	1910	0.15	0.42	0.15	0.36	99.96	99.73	3	4	0.26	1.50	65	66	5	15	0	0	8,000	56
AUG	50,633	1633	2443	1911	0.16	0.77	0.15	0.59	99.44	99.45	4	4	0.30	1.48	65	66	4	12	0	0	9,000	86
SEP	47,620	1587	1910	1701	0.19	0.51	0.19	0.74	97.61	97.43	35	7	0.31	1.20	50	60	4	12	0	0	7,200	132
OCT	48,375	1560	1986	2195	0.22	0.34	0.22	0.37	94.90	97.80	8	8	0.33	0.49	66	43	4	12	0	0	370	34
NOV																						
DEC																						
TOTAL	446,403																43	129	0	0		
AVG		1,463			0.18		0.15		98.44	99.07	16	6	0.29									
MAX			2,443	2,260		0.77		0.74			50	8		2.28							39,000	290
MIN															50	43						
CRITERIA			3,182	2,205		<1		<1	>95%	>95%	<25	<25		<5	>40							

COMMENTS:
*UVT - No Flow to UVT analyzer from 11:35 pm on February 10th to 10:55 am on February 12th.

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: 2024
 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	45,794	1,477	1,923	128.14	347	360	55.4	6.21	59,408	1,916	1,966	3.4	7.0	1.85	0.10	3.5	5.5	0.12	6
FEB	45,995	1,586	1,805	112.90	219	366	38.0	4.71	64,482	2,224	2,926	3.8	7.0	7.71	0.20	10.8	6.7	0.05	4
MAR	60,051	1,937	2,293	86.81	361	650	43.8	5.45	110,786	3,574	3,904	3.8	9.0	4.78	0.21	7.5	13.1	0.30	6
APR	58,249	1,942	2,235	70.3	292	516	49.0	6.52	132,579	4,419	4,752	4.2	11.4	0.14	0.18	2.1	13.8	0.06	6
MAY	51,003	1,645	1,860	57.16	180	420	58.7	7.40	59,851	4,604	4,752	3.0	3.5	0.10	0.40	1.6	9.8	0.05	4
JUN	47,282	1,576	1,805	53.23	213	225	57.1	5.86											
JUL	57,725	1,862	2,198	58.61	215	260	51.7	5.74											
AUG	55,615	1,794	2,085	64.94	187	355	48.2	5.65											
SEPT	39,841	1,328	1,510	77.10	153	220	51.2	6.34											
OCT	38,194	1,232	1,394	77.56	152	330	55.5	4.92	35,229	2,072	2,111	3.0	8.3	0.44	0.20	3.0	4.2	0.05	7
NOV																			
DEC																			
TOTAL	499,749								462,335										
AVG		1,638		79	232	370	50.9	5.88		3,135		3.5	7.7	2.5	0.22	4.7	8.9	0.11	5
MAX			2,293		361	650	58.7	7.40			4,752	4.2	11.4	7.7	0.40	10.8	13.8	0.30	7
CRITERIA						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	8.0	0.05	0.07	3.0	5.0	0.05	0.05
FEB	-	-	-	-	-	-	-	-
MAR	3.0	15.5	0.08	0.08	3.0	18.0	0.07	0.09
APR	3.0	17.3	0.10	0.07	3.00	20.3	0.08	0.07
MAY	3.0	6.0	0.05	0.06	3.0	49.5	0.12	0.14
JUN								
JUL								
AUG								
SEPT								
OCT	3.0	9.3	0.09	0.08	3.0	6.667	0.067	0.063
NOV								
DEC								
TOTAL								
AVG	3.0	11.2	0.07	0.07	3.0	19.9	0.08	0.08
MAX	3.0	17.3	0.10	0.08	3.0	49.5	0.12	0.14
CRITERIA								

Comments:

*No Upstream/Downstream Samples required to be collected when downstream sampling is not feasible due to ice cover on the Nation River. (January 9, 16, 23, 30 & February 2024)

Appendix B

Work Order Summary Reports



Monthly Work Order Summary – October 2024

Casselman Drinking Water System

Description	Status	Work Type
Client Reports (1m) - Casselman 5971	APPR	PM
JHSC Meeting (3m) - 5971	APPR	PM
Workplace Inspection - DS Silica- 1m - 5971	COMP	OPER
Annual Management Review (1y) -Casselman 5971	APPR	PM
Monthly H&S Equipment Check (1m) - 5971	COMP	PM
Quarterly H&S Equipment Check (3m) - 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
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
5971 Casselman WTP - Loss of Trending Notification	COMP	OPER
Actuator (air) Inspection/Service (1y) 5971	COMP	PM
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
Gear Drive Sludge Pump Service (6m) - 5971	COMP	PM
Meter Level Inspection/Service (3m) 5971	COMP	PM
Sensor Gas Monitor Insp (6m) 5971	COMP	PM
Pump Submersible ACTIFLO Inspection (3m) 5971	COMP	PM
PANEL ALARM/DIALER TEST (1m) - 5971	COMP	PM
VALVE SLUICE GATE Lo Lift Inspection/Maintenance (1y) 5971	COMP	PM
Valve Regulating Treated Water Inspection (1y) 5971	COMP	PM
Valve Gate Raw Water Inspection/Maintenance (1y) 5971	COMP	PM

Monthly Work Order Summary – October 2024

Casselman Drinking Water System

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
UVT Sensor Checks/Calibration (1m) - 5971	COMP	PM
5971-05 Casselman Building and Grounds Maintenance-MM -	CLIENT	CAP
UV Sensor Reference Check/Calibration (1m) - 5971	COMP	PM
CLEAR WELL , HIGH LIFT PUMP (1y) - 5971	APPR	PM
72 Hr Review and Chemical Top Up - Casselman WTP - 5971	APPR	OPER
Meter Flow Distribution Calibration/Service (1y) 5971	APPR	PM
Meter Flow Backflow Calibration/Service (1y) 5971	APPR	PM
Meter Flow Raw Water #1 Calibration/Service (1y) 5971	APPR	PM
Meter Flow Raw Water #2 Calibration/Service (1y) 5971	APPR	PM
Meter Flow Polymer Chemical Storage Calib/Service (1y) 5971	APPR	PM
Actiflow alarm Casselman WTP	COMP	CALL

Monthly Work Order Summary – October 2024

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
Specific ECA - Bypass (3m) - 1501	COMP	PM

Workplace Inspection (1m) - 1501	COMP	OPER
Quarterly H&S Equipment Check (1m) - 1501	COMP	PM
WISKI Monthly Review(1m) 1501	COMP	PM
1501-03 Casselman Sewage Electrical/Instrumentation-MM	CLIENT	CAP
SPS6 call in, Communication error	COMP	CALL

Appendix C

Locate Summary



Casselman Monthly Locate Summary – October 2024

Description	Status	Work Type
Locate Casselman WDS 1553 - 20243925753 - 648 Promade de Erabres	COMP	OPER
Locate Casselman WDS 1553 - 2024400791 - 820 Laval	COMP	OPER
Locate Casselman WDS 1553 - 2024401245 - 818 Laval	COMP	OPER
Locate Casselman WDS 1553 - 20244010974 - 26 Sauv� Terrence	COMP	OPER
Locate Casselman WDS 1553 - 202441596 - 11 Sauv� Terrence	COMP	OPER
Locate Casselman WDS 1553 - 20244013623- 648 Principale	COMP	OPER
Locate Casselman WDS 1553 - 20244013660- 648 Principale	COMP	OPER
Locate Casselman WDS 1553 - 2024418129- 52 Racine	COMP	OPER
Locate Casselman WDS 1553 - 20244112108 -8 Desonyer	COMP	OPER
Locate Casselman WDS 1553 - 20244114105 -43 Percy	COMP	OPER
Locate Casselman WDS 1553 - 20244114214-745 Brebeuf	COMP	OPER
Locate Casselman WDS 1553 - 20244117493 - 309 Zakari	COMP	OPER
Locate Casselman WDS 1553 - 2024215925- 26 Sarah	COMP	OPER
Locate Casselman WDS 1553 - 2024420193 - 675 St Joseph	COMP	CAP
Locate Casselman WDS 1553 - 20243921986 - 759 St joseph	COMP	OPER
Locate Casselman WDS 1553 - 20243926067 - 686 Duhmal	COMP	OPER
Locate Casselman WDS 1553 - 20244010168 - 26 Sauve Terrence	COMP	OPER
Locate Casselman WDS 1553 - 2024425063 - 237-241 Zakari	COMP	CAP
Locate Casselman WDS 1553 - 2024426127 - St. Isidore - Bray Locates	COMP	CAP
Locate Casselman WDS 1553 - 2024429833 - 7 Vanessa	COMP	CAP
Locate Casselman WDS 1553 - 2024429833 - 700 Principale	COMP	CAP
Locate Casselman WDS 1553 - 2024444311 - 20 Filon	COMP	CAP
Locate Casselman WDS 1553 - 2024447219 - 836 St. Isidore	COMP	CAP
Locate Casselman WDS 1553 - 2024449528 - 820 Laval	COMP	CAP
Locate Casselman WDS 1553 - 20244315751 - 747 St Jean	COMP	CAP
Locate Casselman WDS 1553 - 2024439144 - HWY 417	COMP	CAP
Locate Casselman WDS 1553 - 20244210965 - 37 Richer Crescent	COMP	CAP
Locate Casselman WDS 1553 - 2024429833 - 700 St. Isidore	COMP	CAP

Casselman Monthly Locate Summary – October 2024

Locate Casselman WDS 1553 - 20244024163- 68 Faucher	COMP	OPER
Locate Casselman WDS 1553 - 20244018354 626 Aurelle	COMP	OPER
Locate Casselman WDS 1553 - 20244121773- 414 Dore	COMP	OPER
Locate Casselman WDS 1553 - 20244123129- 719 Principale	COMP	OPER
Locate Casselman WDS 1553 - 2024428225 - 1 Castonguay	COMP	CAP
Locate Casselman WDS 1553 - 2024444311 - 24 Industrial	COMP	CAP
Locate Casselman WDS 1553 - 2024439798 - 720 Des Chienne	COMP	CAP
Total		35

Appendix D

AWQI Notification to MECP



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 *
166821

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 2024. Filter #1 effluent turbidity was below 0.3 NTU for 94.9% of the month of October.

DWS Information

DWS Name *

Casselman Drinking Water System

DWS Number *

210001219

Last Name *

Payne

First Name *

Brandon

Position *

Operator

Email Address

bpayne@ocwa.com

Telephone Number (including area code)

343-575-4944

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 *

Environment Health Analyst

Telephone Number (including area code) *

800-267-7120

ext.

Fax Number (including area code)

613-933-7930

Date (yyyy/mm/dd) *

2024/11/04

Time (hh:mm) *

3:00 PM

Fields marked with an asterisk (*) are mandatory.

Section 2A continued

DWS Person Providing Oral Notification *

Brandon Payne

Email Address

bpayne@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 *

Kidwai

First Name *

Bilal

Position *

Environmental Officer

DWS Person Providing Oral Notifying *

Brandon Payne

Date (yyyy/mm/dd) *

2024/11/04

Time (hh:mm) *

3:18 PM

Initial DWS Notification Prepared by *

Brandon Payne

Signature



Date (yyyy/mm/dd) *

2024/11/04

Additional Comments

Do you have another adverse to report? * ☐ Yes ☒ No

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 2B – Notice of Issue Resolution – Section 16-9 (O. Reg. 170/03)

DWS Information

DWS Name *	DWS Number *
Casselman Drinking Water System	210001219

DWS Contact Name

Last Name *	First Name *
Payne	Brandon

Telephone Number (including area code) *	Fax Number (including area code)	Email Address
343-575-4944 ext.		bpayne@ocwa.com

Initial AWQI Number ¹ *	Date Resolved (yyyy/mm/dd) *	Date Resolution Notice Provided (yyyy/mm/dd) *
166821	2024/11/06	2024/11/06

Are there previous resample AWQI numbers? *

☐ Yes ☒ No

If known, please provide All Other Resample AWQI numbers²

Summary of action taken and results achieved (include test results showing water quality is no longer adverse) *

Adjusted chemical dosages of coagulant and polymer to meet the required filtered turbidity of <0.3 NTU on filter 1.

Was an advisory issued by the Health Unit? *	Advisory Type	Date Issued (yyyy/mm/dd)
<input type="checkbox"/> Yes		
<input checked="" type="checkbox"/> No <input type="checkbox"/> Self Imposed Advisory		

If rescinded, please select date the advisory was rescinded

Date Rescinded (yyyy/mm/dd)

Other (Include Health Unit directions and any additional attachments)

Attached File Name	Created	Modified	Size (MB)	Remove Selected File
				<input type="checkbox"/>
Number of attachments			0	

Notification/Report Provided By

Fields marked with an asterisk (*) are mandatory.

Section 2B continued

Last Name *

Payne

First Name *

Brandon

Position *

Operator

Signature



Date (yyyy/mm/dd) *

2024/11/06

Additional Comments

Do you have another adverse to report? ☐ Yes ☒ No

¹ The original adverse test result.

² When resolving an AWQI state all resample AWQI numbers associated with the initial AWQI. For example, an adverse test result of total coliform requires the corrective action of resampling. If any of the resamples come back adverse, then you must continue resampling until the test results for two consecutive sets of samples taken 24 to 48 hours apart are clear or as directed by the Health Unit. Submit the AWQI form and include all related AWQI numbers (Initial AWQI number and any Resample AWQI number) on the same Section 2B. This eliminates the requirement to submit a Section 2B form for every adverse test result associated with one incident. If the first resample test result is clear then this section does not apply. For THMs and HAAs drinking water system owners/operators are not required to take resamples as part of the prescribed corrective actions; unless directed by the Health Unit.