

Monthly Operations Report

for the Municipality of Casselman's Water and
Wastewater Systems

May 2022



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

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A decorative graphic in the bottom right corner of the page. It features a light blue sun with a semi-circular shape at the top and wavy lines below it, representing water or waves. The sun and waves are rendered in a soft, light blue color.

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	May 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>		0	
Water Main Flushing	N/A	N/A	
<i>Target Achieved</i>		N/A	
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	N/A	N/A	
<i>Target Achieved</i>		N/A	
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 in May for Casselman’s Drinking Water System. The Trihalomethane (THM) sample collected in Q2 measured below the limit, but due to an elevated sample result in Q3 of 2021, the running annual average exceeded the limit:

Parameter	Running Annual Average	Limit	Reporting Period	Legislation
THM	108.75 µg/L	100 µg/L	Quarter 2: April 1 – June 30	O. Reg. 170/03

For details, please refer to the AWQI notification submitted to MECP, attached in Appendix D.

It should also be noted that trending from the distribution system chlorine analyzer was lost temporarily as a result of the storm-related power outages that occurred on May 21st. OCWA discussed with the local Ministry inspector and no formal reporting of the loss of trending was required. Grab samples were collected while the analyzer was offline.

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 2021 Surveillance Audit was conducted by SAI Global on July 23, 2021. There were no non-conformances identified. One Opportunity for Improvement (OFI) was noted in the report for Element 19 regarding the timing of the annual internal audit, suggesting that it be completed prior to the external audit in each year.

SECTION 6 - MAINTENANCE / CAPITAL / ADDED VALUE

The widespread power outage that was caused by a powerful storm in the region on May 21st resulted in multiple alarms at Casselman’s facilities. OCWA staff responded on site and remained on site to manage the situation until power was restored.

In addition to alarms associated with the power outage, OCWA responded to seven call in alarms for the water system and one for the sewage system during the month of May.

OCWA and the Director of Public Works met in May to discuss current and future capital projects and major maintenance as well as contingency planning.

Capital Controls was brought in by OCWA to resolve PLC faults occurring at SPS #1.

OCWA called in a vacuum truck to clean out the wet well at SPS #6 due to sand build up which may be attributed to construction activities in the system.

Routine wet well cleanings were performed at SPS #2, SPS #3, SPS #4 and SPS #5 in May.

Preventive Maintenance Plan (PMP) Work Order Summary

All required work orders were completed. Please refer to the summary reports attached in Appendix B.

OCWA has tagged equipment in the wastewater treatment and collection system. The PMP should be complete by the end of June.

SECTION 7 – COMPLAINTS

Facility	Date	Description
None to report		

SECTION 8 – RECOMMENDATIONS / GENERAL COMMENTS

General

- 97 locates completed in April
- Approved Capital & Major Maintenance work for 2022 is ongoing
- OCWA Engineering presented a water and wastewater capacity assessment for the Village of Casselman to Council in May.

Water Treatment & Distribution

- Hydrant flushing in the distribution system took place in May.
- Testing for Microcystin in the raw and treated water in accordance with the Municipal Drinking Water License (MDWL) will begin in June.

Wastewater Treatment & Collection

- Substantial completion of the treatment upgrades was received.
- Discharge of the lagoon system ended May 15th
- Wastewater sampling as part of Queen’s University’s Covid sampling program continued in May.

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																			
JUL																			
AUG																			
SEP																			
OCT																			
NOV																			
DEC																			
TOTAL	159,636																		
AVG		1,056						6.18	6.88	313.20	0.13		3.06	3.26	342.80	0.07		58.00	42.35
MAX			2,029		2.61		2.61					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	FILTER	TREATED				<i>E. coli</i> / 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 SS (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	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	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	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	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	0.48	3.33	57.00	5	15	0	0	180	32	
JUN																			
JUL																			
AUG																			
SEP																			
OCT																			
NOV																			
DEC																			
TOTAL	194,180												22	66	0	0			
AVG		1,285		0.11		0.15		99.52	6.3	0.47									
MAX			2,668		0.75		0.86		14		3.33						17600	117	
MIN												57.00							
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																			
JUL																			
AUG																			
SEPT																			
OCT																			
NOV																			
DEC																			
TOTAL	244,205								334,435										
AVG		1,612		140	207	348	58	6.35		2,689		5	13	7	0.4	11	14	0.6	474
MAX			3,300		266	530	80	9			4,998	6.25	18.5	11.22	0.48	18.7	18.62	0	897.1
CRITERIA											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	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								
NOV								
DEC								
TOTAL								
AVG	3	33	1	0.1	3	24	0	0
MAX	4.6	102.25	4.86	0.22	3	32.5	0.11	0.05
CRITERIA								

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 – May 2022

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 Turbidity Inspection/Service (1m) 5971	COMP	PM
Blower Centrifugal Inspection/Service (1m) 5971	COMP	PM
Air Compressor Inspection/Service (1m) 5971	COMP	PM
Dryer Air Service (1m) - 5971	COMP	PM
Generator Inspection (1m) 5971	COMP	PM
PANEL ALARM/DIALER TEST (1m) - 5971	COMP	PM
UV Light Bank Insp/Service (1m) - 5971	COMP	PM
Workplace Inspection (1m) - 5971	COMP	PM
Monthly H&S Equipment Check (1m) - 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
Casselman 5971 Actiflo 2 Backwash process	COMP	CALL
Actiflo #1 alarm and raw water tank sensor fault	COMP	CALL
Casselman 5971 High Lift Check Valve replacement	APPR	CAP
High chlorine analyzer primary	COMP	CALL
Acitflo lockout and raw water tank low level	COMP	CALL
High turbidity in actiflo 1 and 2 issues	COMP	OPER
Irregular colour water issues	COMP	OPER
UV Sensor Reference Check/Calibration (1m) - 5971	COMP	PM
Acitflo 1 lockout	COMP	CALL
Casselman 5971 WTP - Massive power outage	COMP	CALL
Casselman 5971 Actiflo 1 fault	COMP	CALL
Acitflo lockout	COMP	CALL

Monthly Work Order Summary – May 2022
Casselman Wastewater Treatment & Collection System

Description	Status	Work Type
Client Reports (1m) - Casselman 5971	COMP	PM
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
Stopped sewage discharge for the season	COMP	OPER
PLC failure SPS1	COMP	CALL
Casselman WWCA 1501 - Massive power outage	COMP	CALL

Appendix C

Locate Summary



Casselman Monthly Locate Summary – May 2022

Description	Status	Work Type
Locate Casselman WDS 1553 - 2022189324 Principale St.	COMP	OPER
Locate Casselman WDS 1553 - 20221818423 759 St. Jean	COMP	OPER
Locate Casselman WDS 1553 - 20221821876 779 Brebeuf	COMP	OPER
Locate Casselman WDS 1553 - 20221718291 759 Brebeuf	COMP	OPER
Locate Casselman WDS 1553 - 2022170246 381 Dore St	COMP	OPER
Locate Casselman WDS 1553 - 20221617725 747 St. Joseph	COMP	OPER
Locate Casselman WDS 1553 - 20221725309 700 Des Pins Cercle	COMP	OPER
Locate Casselman WDS 1553 - 20221621161 22 Filion	COMP	OPER
Locate Casselman WDS 1553 - 2022197404 688 St Isidore	COMP	OPER
Locate Casselman WDS 1553 - 2022199440 660 Des Epinettes	COMP	OPER
Locate Casselman WDS 1553 - 20221825748 Laurier St	COMP	OPER
Locate Casselman WDS 1553 - 20221911937 Principale St.	COMP	OPER
Locate Casselman WDS 1553 - 20221911933 264 Nature St.	COMP	OPER
Locate Casselman WDS 1553 - 20221912414 685 Montcalm	COMP	OPER
Locate Casselman WDS 1553 - 20221311986 300 Nature St	COMP	OPER
Locate Casselman WDS 1553 - 20221913026 46 + 47 Faucher	COMP	OPER
Locate Casselman WDS 1553 - 20221913642 829 St Isidore	COMP	OPER
Locate Casselman WDS 1553 - 20221914142 685 Montcalm	COMP	OPER
Locate Casselman WDS 1553 - 20221919456 686 Duhamel	COMP	OPER
Locate Casselman WDS 1553 - 20221922761 216 Argile St	COMP	OPER
Locate Casselman WDS 1553 - 20221923116 20 Sarah St.	COMP	CAP
Locate Casselman WDS 1553 - 20221928442 23 Sarah St.	COMP	CAP
Locate Casselman WDS 1553 - 20221814486 717 St Isidore	COMP	CAP
Locate Casselman WDS 1553 - 20221928454 21 Sarah St.	COMP	CAP
Locate Casselman WDS 1553 - 20221913127 38 Faucher	COMP	CAP
Locate Casselman WDS 1553 - 20221917374	COMP	CAP
Locate Casselman WDS 1553 - 2022201334 Conservation St.	COMP	CAP
Locate Casselman WDS 1553 - 20221932746 Principale St. and HWY 417	COMP	CAP
Locate Casselman WDS 1553 - 20221931475 647 Des Epinettes	COMP	CAP
Locate Casselman WDS 1553 - 20221931633 684 Montcalm	COMP	CAP
Locate Casselman WDS 1553 - 20221932908 544 Barrage St.	COMP	CAP
Locate Casselman WDS 1553 - 20221932929 684 Montcalm	COMP	CAP
Locate Casselman WDS 1553 - 20221932954 17 Albert	COMP	CAP
Locate Casselman WDS 1553 - 20221820339 625 Principale St.	COMP	CAP
Locate Casselman WDS 1553 - 20221919182 402 Dore St.	COMP	CAP
Locate Casselman WDS 1553 - 20221831032 381 Dore St.	COMP	CAP
Locate Casselman WDS 1553 - 20221623034 397 Dore St.	COMP	CAP
Locate Casselman WDS 1553 - 20222014307 95 Lafleche	COMP	CAP
Locate Casselman WDS 1553 - 20222020524 675 Des Erables	COMP	CAP
Locate Casselman WDS 1553 - 20222021347 736 S Isidore	COMP	CAP

Casselman Monthly Locate Summary – May 2022

Locate Casselman WDS 1553 - 20221920099 150 Laurier	COMP	CAP
Locate Casselman WDS 1553 - 202220221919140 320 Dore St.	COMP	CAP
Locate Casselman WDS 1553 - 20222022629 750 St Jean	COMP	CAP
Locate Casselman WDS 1553 - 20222215012 - 603 St. Isidore	COMP	CAP
Locate Casselman WDS 1553 - 20222029368 793 Principale St	COMP	CAP
Locate Casselman WDS 1553 - 20222032593 766 Principale St.	COMP	CAP
Locate Casselman WDS 1553 - 20221933026 320 Dore St	COMP	CAP
Locate Casselman WDS 1553 - 20222033393 652 Montcalm	COMP	CAP
Locate Casselman WDS 1553 - 20222033404 760 Brebeuf	COMP	CAP
Locate Casselman WDS 1553 - 20221920505 Principale St.	COMP	CAP
Locate Casselman WDS 1553 - 2022217523 17 Sarah	COMP	CAP
Locate Casselman WDS 1553 - 2022217534 19 Sarah	COMP	CAP
Locate Casselman WDS 1553 - 2022219660 26 Desnoyers	COMP	CAP
Locate Casselman WDS 1553 - 2022219775 827 Principale St	COMP	CAP
Locate Casselman WDS 1553 - 2022219809 684 Jeanne Mance	COMP	CAP
Locate Casselman WDS 1553 - 2022219840 17 Maria	COMP	CAP
Locate Casselman WDS 1553 - 20222110097 18 Sarah	COMP	CAP
Locate Casselman WDS 1553 - 20222112842 755 Principale St.	COMP	CAP
Locate Casselman WDS 1553 - 20221832971 Laurier St	COMP	CAP
Locate Casselman WDS 1553 - 20222116347 684 Jeanne Mance	COMP	CAP
Locate Casselman WDS 1553 - 20222029364 Richer Circle	COMP	CAP
Locate Casselman WDS 1553 - 2022217239 Laurier St	COMP	CAP
Locate Casselman WDS 1553 - 20222122812 HWY 417	COMP	CAP
Locate Casselman WDS 1553 - 20222114621 723 St Isidore	COMP	CAP
Locate Casselman WDS 1553 - 20222127683 722 St Joseph	COMP	CAP
Locate Casselman WDS 1553 - 20222129526 Principale St.	COMP	CAP
Locate Casselman WDS 1553 - 20222129537 HWY 417	COMP	CAP
Locate Casselman WDS 1553 - 20222123638 Principale and Racine	COMP	CAP
Locate Casselman WDS 1553 - 20222122372 260 Nature	COMP	CAP
Locate Casselman WDS 1553 - 2022222151 508 Barrage St	COMP	CAP
Locate Casselman WDS 1553 - 20222126889 55 Isabelle St	COMP	CAP
Locate Casselman WDS 1553 - 2022166505 154 Argile St	COMP	CAP
Locate Casselman WDS 1553 - 2022205437 410 Dore St	COMP	CAP
Locate Casselman WDS 1553 - 2022217055 675 Des Erables	COMP	CAP
Locate Casselman WDS 1553 - 20221823408 216 Argile St	COMP	CAP
Locate Casselman WDS 1553 - 2022200819 296 Nature St.	COMP	CAP
Locate Casselman WDS 1553 - 2022219248 HWY 417	COMP	CAP
Locate Casselman WDS 1553 - 2022219276 HWY 417	COMP	CAP
Locate Casselman WDS 1553 - 20222110285 521 Barrage St	COMP	CAP
Locate Casselman WDS 1553 - 20222110143 517 Barrage St	COMP	CAP
Locate Casselman WDS 1553 - 20222110247 533 Barrage St	COMP	CAP
Locate Casselman WDS 1553 - 20222110196 508 Barrage St	COMP	CAP

Casselman Monthly Locate Summary – May 2022

Locate Casselman WDS 1553 - 2022215537 361 Dore St	COMP	CAP
Locate Casselman WDS 1553 - 20222132088 606 St. Isidore	COMP	CAP
Locate Casselman WDS 1553 - 2022228142 729 St. Isidore	COMP	CAP
Locate Casselman WDS 1553 - 2022228108 332 Dore St	COMP	CAP
Locate Casselman WDS 1553 - 2022228092 766 Leveque	COMP	CAP
Locate Casselman WDS 1553 - 20222216758 672 Des Epinettes	COMP	CAP
Locate Casselman WDS 1553 - 20222216704 765 Principale	COMP	CAP
Locate Casselman WDS 1553 - 20222216628 Nature St	COMP	CAP
Locate Casselman WDS 1553 - 20222220783 702 Brebeuf	COMP	CAP
Locate Casselman WDS 1553 - 20222224186 Principale & Sarah	COMP	CAP
Locate Casselman WDS 1553 - 2022222109 821 Principale St	COMP	CAP
Locate Casselman WDS 1553 - 2022232935 541 Barrage St.	COMP	CAP
Locate Casselman WDS 1553 - 2022230917 27 Percy	COMP	CAP
Locate Casselman WDS 1553 - 2022234207 Laurier St.	COMP	CAP
Locate Casselman WDS 1553 - 2022237970 541 Barrage St.	COMP	CAP
Total		97

Appendix D

AWQI Notification to MECP



Fields marked with an asterisk (*) are mandatory.

Section 2C – Written Notice by Drinking Water System (DWS) Owner Reporting RAA for THMs and HAAs [i](#)

Indicators of Adverse Water Quality

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

Physical/Chemical THM

Drinking Water System / Licensed Laboratory Information [i](#)

DWS/Laboratory Name * DWS/Laboratory Number *

DWS Emergency Contact Name
 Last Name * First Name *

Position *

Telephone Number (including area code) * ext. Fax Number (including area code) Email Address

Chemical Testing – THM and HAA [i](#) [Example](#) [Click here for Examples of Quarter & RAA Calculations](#)

Parameter	Standard	Quarter Average D ¹ *	Quarter Average C ¹ *	Quarter Average B ¹ *	Quarter Average A ¹ *	RAA ¹ (Running Annual Average) *	Date the RAA was Calculated (yyyy/mm/dd) *
Trihalomethane (THMs)	100 µg/L	203	116	58	58	108.75	2022/04/11
Haloacetic Acids (HAAs)	80 µg/L						

¹ For additional information please refer to hover messages in the 'Quarter D,C,B,A and RAA' headings.

For an adverse RAA for THMs or HAAs, drinking water system owners and operating authorities must follow any corrective actions required by the Health Unit, which may include resampling.

Has Health Unit been notified? * Yes No

Health Unit Name *

Eastern Ontario Health Unit - Cornwall Office

Please check the No or Yes box, as appropriate: *

No, the Health Unit did not prescribe further direction or corrective actions following the THM or HAA results.

Yes, the Health Unit prescribed further direction/corrective actions as a result of the THM or HAA results, as follows:

Contacted the Health Unit by telephone, left a voicemail awaiting a response.

Issue Resolution – Specific to THMs and HAAs (Sec 16-9 of O.Reg. 170/03) i

If the adverse RAA for THMs or HAAs has been addressed/resolved, please confirm the following parties have been notified:

Health Unit	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Date Notified (yyyy/mm/dd)	2022/05/25
Spills Action Centre	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Date Notified (yyyy/mm/dd)	2022/05/25
Interested Authority	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	Date Notified (yyyy/mm/dd)
Other Information Attached	<input type="checkbox"/> Yes	<input type="checkbox"/> No		

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

Add File Delete Selected File Delete All

Notification/Report Provided By

Last Name *	First Name *	Position *
Lamarche	Caroline	Process & Compliance Technician (PCT)

Fields marked with an asterisk (*) are mandatory.

Section 2C continued

Signature

Date (yyyy/mm/dd) *

2022/05/25

Do you have another adverse to report? Yes No

¹ For additional information please refer to hover messages in the 'Quarter D,C,B,A and RAA' headings.

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