Casselman Drinking Water System

Waterworks # 210001219
System Category – Large Municipal Residential

Annual Water Report

Municipality of Casselman

Reporting Period of January 1st – December 31st 2025

Issued: February 25, 2026

Revision: 0

Operating Authority:

OCWA
ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

This report has been prepared to satisfy the annual reporting requirements in O. Reg 170/03 Section 11 and Schedule 22

Table of Contents

Revision History

Date	Revision #	Revision Notes
February 25, 2026	0	Issued Annual Report

Report Availability

As Casselman's drinking water system is considered a large municipal residential system under O. Reg. 170/03, this report must be made available to the public. It can be found at the Casselman Municipal Office (located at 751 St. Jean Street, Casselman, Ontario) and on their website (https://en.casselman.ca). This system does not serve more than 10,000 residents.

Compliance Report Card

Compliance Event	# of Events
Ministry of Environment Inspections	1
Ministry of Labour Inspections	0
QEMS External Audit	1 (Re-accreditation Audit)
AWQI's/BWA	2/0
Non-Compliance	2
Community Complaints	3
Spills	0
Watermain Breaks	3

System Process Description

Raw Source

Casselman's drinking water system draws water from the South Nation River via a submerged 457 mm diameter intake pipe that extends halfway into the river from the shoreline. Raw water is conveyed by the intake pipe to a concrete raw water well located inside the surface water treatment plant. Before entering the raw water well, the water flows through a screen to prevent larger materials from entering the plant.

Treatment

Three vertical turbine low lift pumps send the raw water to the two Actiflo® tanks. The Actiflo® treatment system is comprised of a coagulation tank, an injection tank, a maturation tank, a settling tank and a filter. Coagulant is added to destabilize the particles in the water and enable them to join other particles to form flocs that can be removed in the subsequent settling and filtration processes. Polymer is added into the injection and maturation tanks to aid in the treatment process. When required, a potassium permanganate solution is added to the raw water tank for manganese removal.

The filtration system is comprised of two mixed media filters (i.e., sand/granular activated carbon gravity filters).

A backwash system is in place to clean the filters. Treated water from the clearwell is pumped upwards through the filter and the effluent is sent to the backwash/residuals handling tank. The filtered water is conveyed to a holding tank where transfer pumps send the water through an ultraviolet (UV) reactor consisting of two UV disinfection units. The UV radiation inactivates chlorine-resistant pathogens.

A chlorine solution is mixed into the filtered water prior to travelling through the two clearwells in series that have a capacity of 415 m^3 and 440 m^3 respectively. In the clearwell, the water is retained for the required contact time to ensure proper disinfection.

Prior to entering the distribution system, by means of the facility's high lift pumps, an ammonium sulphate solution is injected into the water leaving the clearwell. This allows for the formation of a combined chlorine residual. The combined chlorine residual is used to maintain secondary disinfection in Casselman's drinking water distribution system.

Distribution

Three vertical high lift pumps send the water to the distribution system. An analyzer measuring both free and total chlorine residuals is located at the main sewage pumping station, to monitor the combined chlorine residual within the distribution system.

The distribution system consists of an elevated storage tank that has a storage capacity of 1600 m^3 and over 10 km of watermain, ranging in size from 150 mm to 250 mm diameter pipe. The system also includes valves, fire hydrants and service connections with lot line shut-offs. The storage tank provides for peak hour demands and fire flows.

Treatment Chemicals used during the reporting year:

Chemical Name	Use	Supplier
Potassium Permanganate	Manganese Removal	ClearTech
PAX-XL6	Coagulant	Kemira
PAX-XL 1900 (ACH-50)	Coagulant	Kemira
Polymer	Coagulant Aid	Solenis
Chlorine Gas	Disinfection	Brenntag
Sodium Hypochlorite	Disinfection	Jutzi
Sodium Hydroxide	pH Adjustment	Sodrox
Ammonium Sulphate	Chloramination	Univar

Summary of Non-Compliance

Adverse Water Quality Incidents

Date	AWQI #	Parameter	Value	Limit	Legislation
12-Feb-2025	167371	Sodium in Treated Water	82.5 mg/L	20 mg/L	O. Reg 170/03
07-Oct-2025	170255	Microcystin in Raw Water (Microcystin below MDL in Treated Water)	2.39 ug/L (max)	Method Detection Limit (MDL)	O. Reg 169/03 MDWL

Non-Compliance

Legislation	requirement(s) system failed to meet	duration of the failure (i.e. date(s))	Corrective Action	Status
O. Reg. 170/03 MDWL	Trending failure: Filter 1 & 2 effluent turbidity.	15:13 September 2 to 10:17 September 3, 2025 During this time, the water treatment plant operated for a total of 9:59 hours.	The trending failure occurred during PLC upgrades. The issue was identified during the routine trending review, and the error was quickly corrected, allowing trending to return to normal operation. Throughout the failure, alarms remained active and the daily report continued to capture turbidity readings as required.	Complete
PTTW 6321-CZ7KZD	Maximum Raw Water Flow Rate of 2,205 L/min.	August 19, 2025 13:19:43 to 13:21:41 (Exceedance of 0:58); 13:23:11 to 13:26:50 (Exceedance of 2:39).	Short duration exceedances occurred during the chlorine dioxide pilot study. The testing procedure was subsequently adjusted to prevent continued exceedances of the maximum raw rater flow rate during the study.	Complete

Non-Compliance Identified in a Ministry Inspection:

Legislation	requirement(s) system failed to meet	duration of the failure (i.e. date(s))	Corrective Action	Status
There were no actions identified in the Ministry Inspection Report issued April 8, 2025.				

Flows

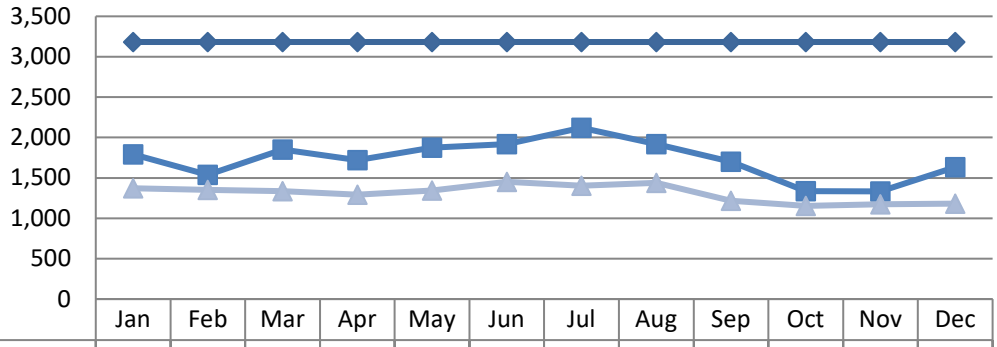
In 2025, Casselman's drinking water system operated on average under half the rated capacity.

Raw Water Flows

Raw water flows are regulated under the Permit to Take Water (PTTW). Raw flow data from 2025 was submitted to the Ministry electronically under Permit #6321-CZ7KZD (issued January 5, 2024 and expires December 31, 2033). The submission confirmations can be found attached in Appendix A.

Raw Flows

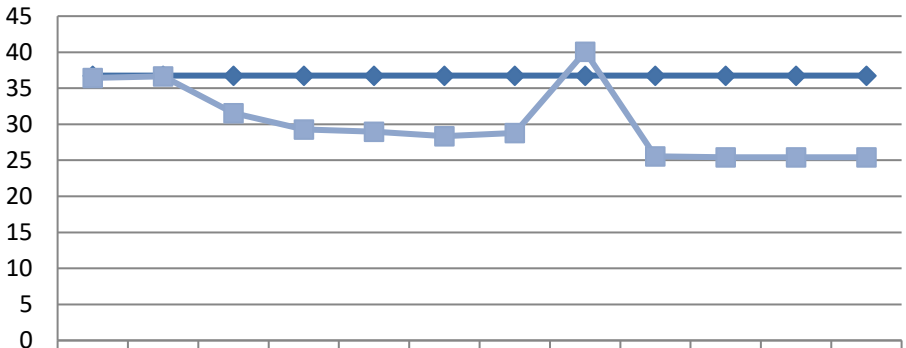
Max. Allowable – PTTW



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable (m3/d)	3,182	3,182	3,182	3,182	3,182	3,182	3,182	3,182	3,182	3,182	3,182	3,182
Max Flow (m3/d)	1,793	1,538	1,850	1,720	1,875	1,917	2,120	1,919	1,699	1,334	1,333	1,634
Avg Flow (m3/d)	1,371	1,351	1,337	1,291	1,342	1,452	1,402	1,440	1,216	1,154	1,172	1,180

Maximum Raw Flows Rates

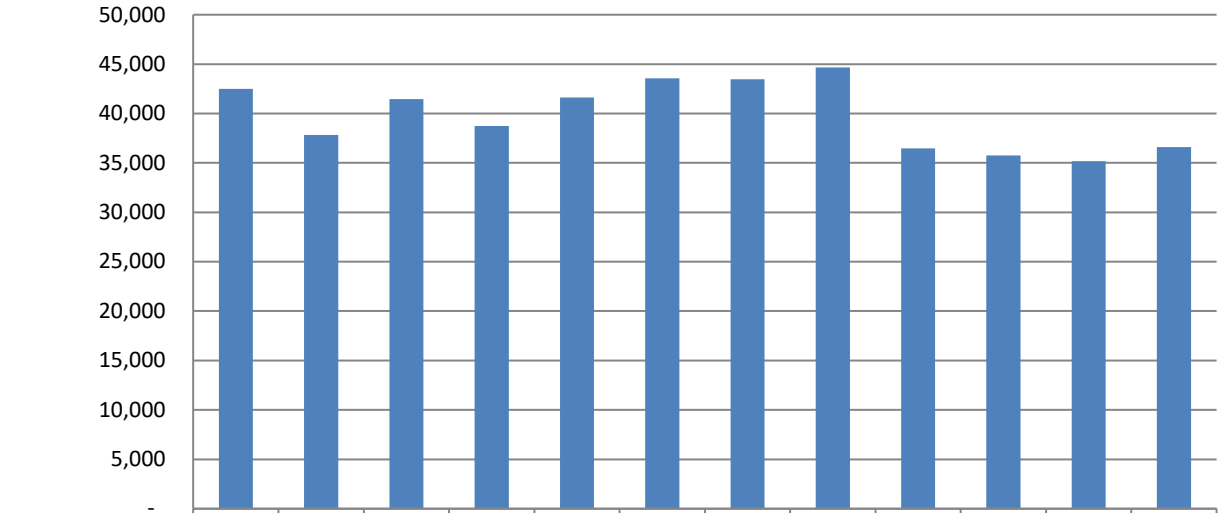
Max. Allowable Rate – PTTW 36.75 L/sec



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable Rate (L/sec)	36.75	36.75	36.75	36.75	36.75	36.75	36.75	36.75	36.75	36.75	36.75	36.75
Max Rate (L/sec)	36.42	36.63	31.55	29.27	28.98	28.35	28.78	40.08	25.53	25.42	25.42	25.42

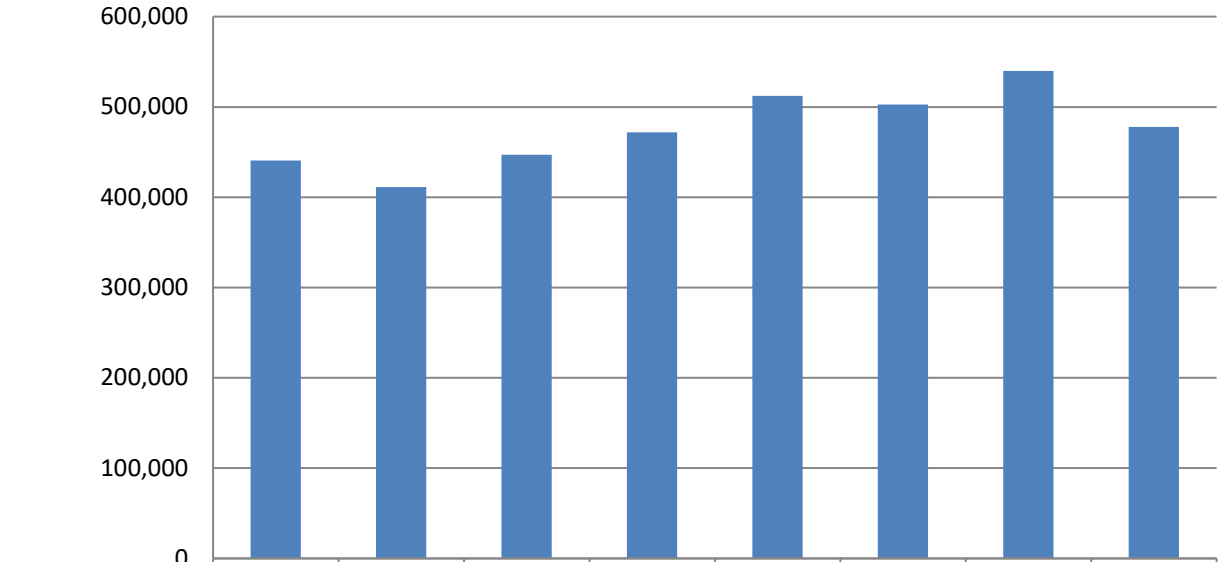
*PTTW maximum allowable flow rate was exceeded for two brief moments on August 19th, 2025 during chlorine dioxide pilot testing.

Monthly Total Raw Flow Comparison



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total Flow (m3)	42,495	37,831	41,446	38,744	41,607	43,552	43,464	44,651	36,480	35,760	35,167	36,594

Annual Total Raw Flow Comparison



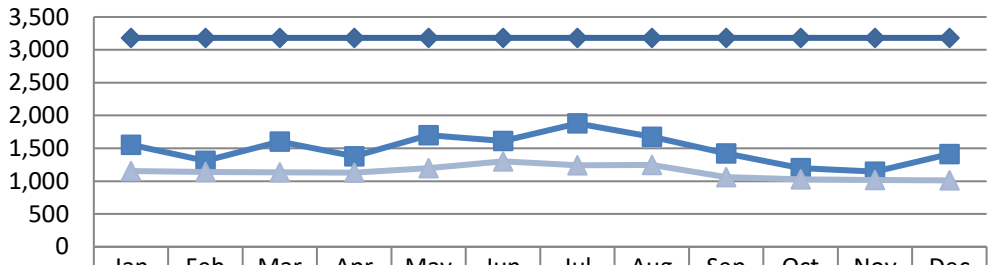
	2018	2019	2020	2021	2022	2023	2024	2025
Total Flow (m3)	440,482	411,167	446,933	471,821	512,121	502,751	539,925	477,791

Treated Water Flows

The Treated Water flows are regulated under the Municipal Drinking Water Licence (MDWL).

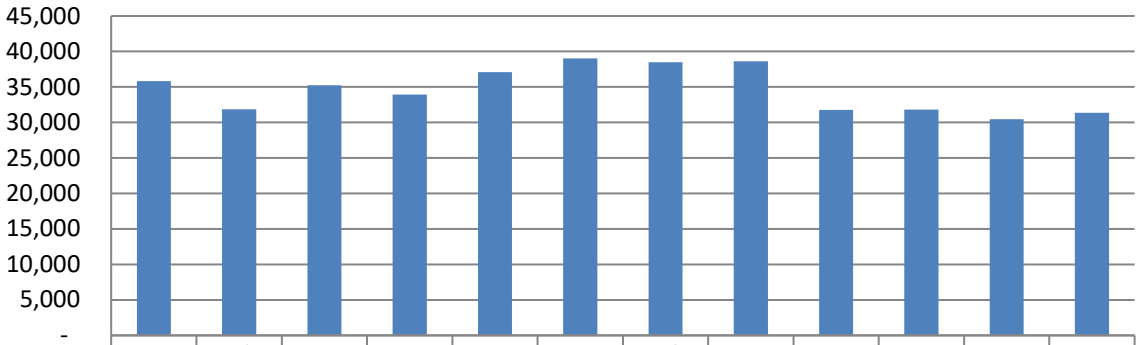
Treated Flows

Rated Capacity – MDWL



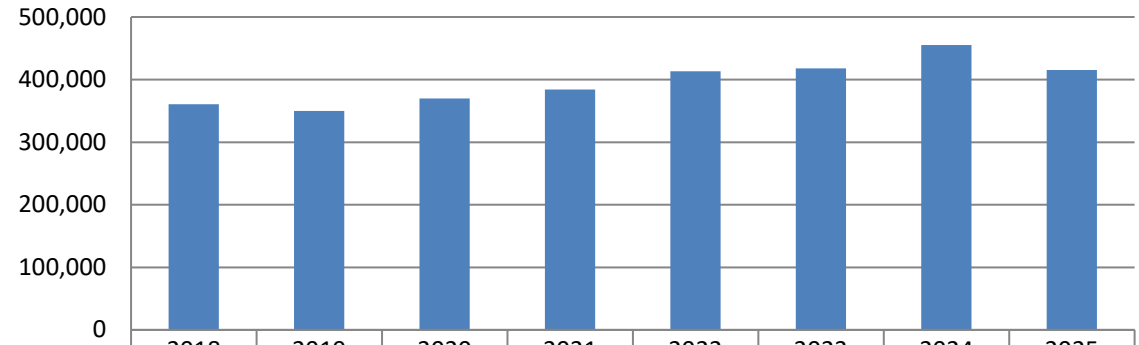
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Rated Capacity (m3/d)	3,182	3,182	3,182	3,182	3,182	3,182	3,182	3,182	3,182	3,182	3,182	3,182
Max Daily Flow (m3/d)	1,555	1,311	1,603	1,378	1,700	1,610	1,878	1,673	1,420	1,198	1,145	1,414
AvgDaily Flow (m3/d)	1,155	1,138	1,136	1,131	1,197	1,301	1,242	1,245	1,059	1,026	1,015	1,011

Monthly Total Treated Flow Comparison



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total Flow (m3)	35,809	31,867	35,230	33,940	37,094	39,041	38,503	38,610	31,764	31,798	30,460	31,350

Annual Total Treated Flow Comparison



	2018	2019	2020	2021	2022	2023	2024	2025
Total Flow (m3)	360,667	349,624	369,581	383,865	413,343	417,839	455,118	415,466

Regulatory Sample Results Summary

Microbiological Testing

	No. of Samples Collected	Range of E.Coli		Range of Total Coliform		Number of HPC Samples	Range of HPC	
		Min	Max	Min	Max		Min	Max
Raw Water	52	0	110	2	35,000	0	N/A	N/A
Treated Water	52	0	0	0	0	52	< 2	48
Distribution Water	156	0	0	0	0	104	< 2	6

Operational Testing

Parameter & Sample Type	No. of Samples Collected	Range of Results		
		Minimum	Average	Maximum
Turbidity; On-Line (NTU)- Filter 1	8,760	0.03	0.12	0.67
Turbidity; On-Line (NTU)- Filter 2	8,760	0.01	0.13	0.67
Turbidity; In-House (NTU)- RW	130	2.59	11.39	142.0
Turbidity; On-Line (NTU)- TW	8,760	0.08	0.23	2.11
Free Chlorine Residual; In-House (mg/L)- TW	112	1.04	1.74	2.35
Free Chlorine Residual; On-Line (mg/L)- TW	8,760	0.91	1.83	2.80
Combined Chlorine Residual; On-Line (mg/L)- DW1	8,760	0.92	1.93	2.17
Combined Chlorine Residual; DW Field (mg/L)	156	0.83	1.51	1.91
UV Intensity (mJ/cm^2)	8,760	82	n/a	n/a

NOTE: Spikes recorded by on-line instrumentation may result from air bubbles, power flicks and various maintenance/calibration activities. All spikes are reviewed for compliance with O. Reg. 170/03

Inorganic Parameters

These parameters are tested as a requirement under O. Reg. 170/03. Sodium and Fluoride are required to be tested every 60 months. Nitrate and Nitrite are tested quarterly and the metals are tested annually as required under O. Reg. 170/03. In the event any parameter exceeds half the maximum allowable concentration the parameter is required to be sampled quarterly.

- MAC = Maximum Allowable Concentration as per O. Reg. 169/03
- MDL = Below the laboratory detection level

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Antimony: Sb (ug/L) - TW	2025/02/10	< MDL 0.1	6	No	No
Arsenic: As (ug/L) - TW	2025/02/10	0.2	10	No	No
Barium: Ba (ug/L) - TW	2025/02/10	106	1,000	No	No
Boron: B (ug/L) - TW	2025/02/10	50	5,000	No	No
Cadmium: Cd (ug/L) - TW	2025/02/10	< MDL 0.015	5	No	No

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Chromium: Cr (ug/L) - TW	2025/02/10	< MDL 1	50	No	No
Mercury: Hg (ug/L) - TW	2025/02/10	< MDL 0.02	1	No	No
Selenium: Se (ug/L) - TW	2025/02/10	< MDL 1	50	No	No
Uranium: U (ug/L) - TW	2025/02/10	0.14	20	No	No
Additional Inorganics					
Fluoride : (mg/L) - TW	2025/03/03	< MDL 0.1	1.5	No	No
Nitrate : (mg/L) - TW	2025/01/06	7.06	10	No	Yes
Nitrate : (mg/L) - TW	2025/04/07	4.39	10	No	No
Nitrate : (mg/L) - TW	2025/07/07	0.15	10	No	No
Nitrate : (mg/L) - TW	2025/10/06	0.09	10	No	No
Nitrite : (mg/L) - TW	2025/01/06	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW	2025/04/07	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW	2025/07/07	0.07	1	No	No
Nitrite : (mg/L) - TW	2025/10/06	< MDL 0.05	1	No	No
Sodium : (mg/L) - TW	2025/02/12	82.5	20*	Yes	Yes

*There is no "MAC" for Sodium. The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified mg/L when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.

Schedule 15.1 Sampling:

The Schedule 15.1 Sampling is required under O. Reg. 170/03. This system is under a reduced sampling schedule. No plumbing samples were collected. Lead samples are required every 3 years and were collected in 2025.

Distribution System	Number of Sampling Points	Number of Samples	Range of Results		MAC (µg/L)	No. of Exceedances
			Minimum	Maximum		
Alkalinity (mg/L)	6	6	191	210	N/A	N/A
pH	6	6	7.37	7.89	N/A	N/A
Lead (µg/L)	3	3	0.02	0.16	10	0

Organic Parameters

These parameters are tested annually as a requirement under O. Reg. 170/03. In the event any parameter exceeds half of the maximum allowable concentration the parameter is required to be sampled quarterly. Distribution samples are tested quarterly for THM's and HAA's in accordance with O. Reg. 170/03.

- MAC = Maximum Allowable Concentration as per O. Reg. 169/03
- MDL = Below the laboratory detection level

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. Exceedances	
				MAC	1/2 MAC
1,1-Dichloroethylene (ug/L)-TW	2025/02/10	< MDL 0.5	14	No	No
1,2-Dichlorobenzene (ug/L)-TW	2025/02/10	< MDL 0.5	200	No	No
1,2-Dichloroethane (ug/L)-TW	2025/02/10	< MDL 0.5	5	No	No
1,4-Dichlorobenzene (ug/L)-TW	2025/02/10	< MDL 0.5	5	No	No
2,3,4,6-Tetrachlorophenol (ug/L)-TW	2025/02/10	< MDL 0.2	100	No	No
2,4,6-Trichlorophenol (ug/L)-TW	2025/02/10	< MDL 0.2	5	No	No
2,4-Dichlorophenol (ug/L)-TW	2025/02/10	< MDL 0.2	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW	2025/02/10	< MDL 1	100	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW	2025/02/10	< MDL 10	100	No	No
Alachlor (ug/L) -TW	2025/02/10	< MDL 0.3	5	No	No
Atrazine + N-dealkylated metabolites (ug/L)-TW	2025/02/10	< MDL 0.5	5	No	No
Azinphos-methyl (ug/L)-TW	2025/02/10	< MDL 1	20	No	No
Benzene (ug/L)-TW	2025/02/10	< MDL 0.5	1	No	No
Benzo(a)pyrene (ug/L)-TW	2025/02/10	< MDL 0.006	0.01	No	Yes
Bromoxynil (ug/L)-TW	2025/02/10	< MDL 0.5	5	No	No
Carbaryl (ug/L)-TW	2025/02/10	< MDL 3	90	No	No
Carbofuran (ug/L) -TW	2025/02/10	< MDL 1	90	No	No
Carbon Tetrachloride (ug/L) -TW	2025/02/10	< MDL 0.2	2	No	No
Chlorpyrifos (ug/L) -TW	2025/02/10	< MDL 0.5	90	No	No
Diazinon (ug/L)-TW	2025/02/10	< MDL 1	20	No	No
Dicamba (ug/L)-TW	2025/02/10	< MDL 1	120	No	No
Dichloromethane (Methylene Chloride) (ug/L)-TW	2025/02/10	< MDL 5	50	No	No
Diclofop-methyl (ug/L)-TW	2025/02/10	< MDL 0.9	9	No	No
Dimethoate (ug/L)-TW	2025/02/10	< MDL 1	20	No	No
Diquat (ug/L)-TW	2025/02/10	< MDL 5	70	No	No
Diuron (ug/L)-TW	2025/02/10	< MDL 5	150	No	No
Glyphosate (ug/L)-TW	2025/02/10	< MDL 25	280	No	No
Malathion (ug/L)-TW	2025/02/10	< MDL 5	190	No	No
Metolachlor (ug/L)-TW	2025/02/10	< MDL 3	50	No	No
Metribuzin (ug/L)-TW	2025/02/10	< MDL 3	80	No	No
Monochlorobenzene (Chlorobenzene) (ug/L)-TW	2025/02/10	< MDL 0.5	80	No	No
Paraquat (ug/L)-TW	2025/02/10	< MDL 1	10	No	No

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. Exceedances	
				MAC	1/2 MAC
PCB (ug/L)-TW	2025/02/10	< MDL 0.05	3	No	No
Pentachlorophenol (ug/L)-TW	2025/02/10	< MDL 0.2	60	No	No
Phorate (ug/L)-TW	2025/02/10	< MDL 0.3	2	No	No
Picloram (ug/L)-TW	2025/02/10	< MDL 5	190	No	No
Prometryne (ug/L)-TW	2025/02/10	< MDL 0.1	1	No	No
Simazine (ug/L)-TW	2025/02/10	< MDL 0.5	10	No	No
Terbufos (ug/L)-TW	2025/02/10	< MDL 0.5	1	No	No
Tetrachloroethylene (ug/L)-TW	2025/02/10	< MDL 0.5	10	No	No
Triallate (ug/L) -TW	2025/02/10	< MDL 10	230	No	No
Trichloroethylene (ug/L)-TW	2025/02/10	< MDL 0.5	5	No	No
Trifluralin (ug/L)-TW	2025/02/10	< MDL 0.5	45	No	No
Vinyl Chloride (ug/L)-TW	2025/02/10	< MDL 0.2	1	No	No
Distribution					
Haloacetic Acid (HAA): Total (ug/L) RAA* - DW	2025	36.9	80	No	No
Trihalomethane (THM): Total (ug/L) RAA* - DW	2025	66.5	100	No	Yes

*RAA: Running Annual Average

Additional Legislated Samples

As per Casselman's Municipal Drinking Water Licence, monthly samples are required to monitor total suspended solids in the backwash water and supernatant tank.

Parameter	Annual Average TSS Concentration (mg/L)	Annual Average TSS Concentration Limit (mg/L)
Backwash water	24	25
Supernatant	8	25

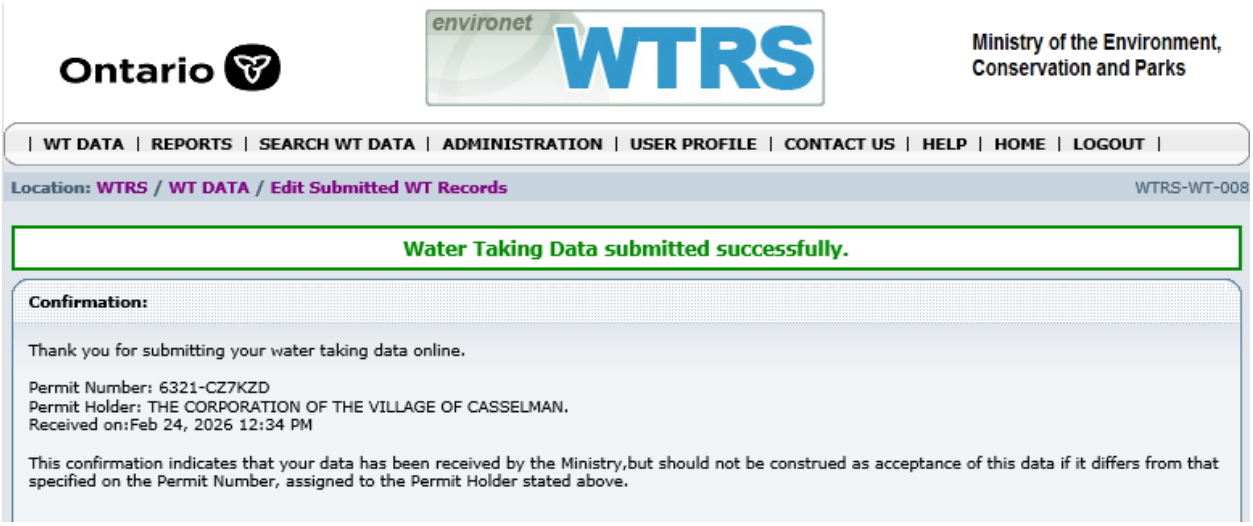
As per Casselman's Municipal Drinking Water Licence, quarterly samples are required to monitor NDMA at the furthest point in the distribution system.

Parameter	Date	Result (ug/L)	MAC (ug/L)	Exceedance
NDMA	2025/01/06	< 0.0009	0.009	No
	2025/04/07	0.0026	0.009	No
	2025/07/07	0.0029	0.009	No
	2025/10/06	0.0012	0.009	No

Maintenance Summary

Description
– Replaced media, diffusers and 4” valve on Filter #2 – Installed new recirculation pump on Actiflo #2 – Cleaned raw water intake pipe and raw water tank – Performed clean outs of supernatant and waste tanks at the WTP – New VFD installed on Low Lift Pump #1 – Replaced air blow off valves on Low Lift #2 & #3 and Transfer Pump #3 – Replaced backwash valve on Actiflo #1 – Replaced actuator on backwash valve on Actiflo #2 – Cleaned sodium hydroxide build up in transfer pipe & installed mixer in pipe – Upgraded WTP SCADA – Installed new chlorination system – Performed maintenance on all pumps as needed – Maintenance and inspection of HVAC system – Completed annual maintenance on chlorine gas system – Completed maintenance on UV disinfection system – Completed annual maintenance on stand-by generators – Completed annual flow meter & gas detector calibrations – Finalised Chlorine Dioxide Pilot testing – Completed flushing of the distribution system (spring and dead-ends) – Winterized hydrants – Observed service connection on Mercier St; new watermain super-chlorination & Connection (Domaine Prestige Subdivision); flow testing & service connections/valve installations (New apartments on Richer Circle) – 3 x Watermain main repairs (872 Principale St, corner of Jeanne Mance St/Faucher St and on the Bridge on Principale St.) – 16 x Hydrants rebuilt: 18, 30, 70, 72, 77, 78, 79, 80, 90, 91, 93, 96, 100, 101, 110 & 153 – 2 x Hydrant valves replaced: 80 & 108 – 2 x Main valves repaired: Alice St., Principale St. – 1 x New main valves: Richer Circle – 2 x Service leak repaired on Principale St., Albert St. – 9 x Curb stop repairs at 11 Isabelle St., 38 Industriel St., 4 Albert St., 244 Nature St., 724 St. Isidore St., 241 Argyle St., 13 Alice St., 41 Faucher St., 13 Albert St.

Appendix A - WTRS Submission Confirmation



Ontario

environet WTRS

Ministry of the Environment, Conservation and Parks

| WT DATA | REPORTS | SEARCH WT DATA | ADMINISTRATION | USER PROFILE | CONTACT US | HELP | HOME | LOGOUT |

Location: WTRS / WT DATA / Edit Submitted WT Records WTRS-WT-008

Water Taking Data submitted successfully.

Confirmation:

Thank you for submitting your water taking data online.

Permit Number: 6321-CZ7KZD
Permit Holder: THE CORPORATION OF THE VILLAGE OF CASSELMAN.
Received on:Feb 24, 2026 12:34 PM

This confirmation indicates that your data has been received by the Ministry,but should not be construed as acceptance of this data if it differs from that specified on the Permit Number, assigned to the Permit Holder stated above.

CASSELMAN DRINKING WATER SYSTEM / Raw Water

Yearly Summary (Flow) 2025

Annual Values and Summary **Units:** cubic meter per day

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1301.00	1512.00	1178.00	1456.00	1627.00	1570.00	1407.00	1455.00	1348.00	1196.00	1123.00	878.00
2	1266.00	1269.00	1850.00	954.00	1173.00	1088.00	1265.00	1637.00	1699.00	1190.00	1247.00	1198.00
3	1268.00	1491.00	1301.00	1720.00	1550.00	1530.00	1112.00	1403.00	1229.00	1118.00	1159.00	1282.00
4	1467.00	1347.00	1281.00	1403.00	1430.00	1389.00	1399.00	1633.00	1114.00	1102.00	1148.00	965.00
5	1588.00	1459.00	1073.00	1375.00	984.00	1768.00	1511.00	1481.00	1387.00	1334.00	1156.00	1337.00
6	1456.00	1429.00	1687.00	1419.00	1875.00	1457.00	1328.00	1716.00	1121.00	1289.00	1147.00	1379.00
7	1343.00	1228.00	1316.00	1164.00	1300.00	1405.00	1301.00	1896.00	1264.00	1125.00	1086.00	1230.00
8	1348.00	1383.00	1367.00	1022.00	1215.00	1531.00	933.00	1474.00	1357.00	1067.00	1322.00	1120.00
9	1400.00	1421.00	1505.00	1424.00	1171.00	1372.00	1612.00	1799.00	1212.00	1309.00	1113.00	1278.00
10	1537.00	1501.00	1308.00	1406.00	1379.00	1387.00	1306.00	1472.00	1270.00	1130.00	1190.00	1074.00
11	1402.00	1256.00	1257.00	1070.00	1539.00	1315.00	1351.00	1919.00	1125.00	1061.00	1154.00	861.00
12	1675.00	1415.00	1348.00	1472.00	1300.00	1418.00	1371.00	1580.00	1198.00	1089.00	1034.00	1200.00
13	1300.00	1294.00	1253.00	1339.00	1545.00	1498.00	1374.00	1402.00	1239.00	1188.00	1272.00	1634.00
14	1371.00	1313.00	1250.00	1313.00	1325.00	1435.00	1370.00	1362.00	1246.00	1242.00	1198.00	1168.00
15	1245.00	1367.00	1572.00	1162.00	1274.00	1528.00	1347.00	1457.00	1291.00	1115.00	1155.00	1142.00
16	1389.00	1270.00	1397.00	886.00	1161.00	1639.00	1054.00	1309.00	1155.00	1201.00	1288.00	1189.00
17	1315.00	1315.00	1366.00	1526.00	1319.00	1598.00	1759.00	1198.00	1216.00	1098.00	1235.00	906.00
18	1305.00	1358.00	1128.00	1386.00	1197.00	1535.00	1344.00	1267.00	1149.00	1110.00	1050.00	1504.00
19	1390.00	1323.00	1621.00	1294.00	1375.00	1479.00	1508.00	1561.00	1282.00	1280.00	1255.00	1295.00
20	1363.00	1367.00	1446.00	1217.00	1195.00	1303.00	1431.00	1373.00	1247.00	1221.00	1218.00	1147.00
21	1362.00	1286.00	1204.00	1460.00	948.00	1077.00	1419.00	1315.00	1259.00	1068.00	1116.00	1030.00
22	1347.00	1326.00	1390.00	1259.00	1483.00	1917.00	1395.00	1287.00	1135.00	1061.00	1124.00	1154.00
23	1389.00	1320.00	1313.00	1236.00	1848.00	1527.00	1524.00	1453.00	1072.00	1176.00	1189.00	1033.00
24	1454.00	1449.00	1190.00	1269.00	1014.00	1575.00	1406.00	1287.00	1228.00	1106.00	1148.00	1289.00
25	1793.00	1538.00	1293.00	1111.00	1611.00	1557.00	1173.00	1293.00	1066.00	1118.00	1179.00	1083.00
26	1416.00	1003.00	1368.00	1284.00	952.00	990.00	1430.00	1408.00	1038.00	1241.00	1272.00	992.00
27	1404.00	1116.00	1173.00	1573.00	1729.00	1600.00	1652.00	1306.00	1156.00	1152.00	791.00	1543.00
28	1083.00	1475.00	1240.00	1228.00	1649.00	1374.00	1819.00	1240.00	1162.00	1098.00	1290.00	1193.00
29	862.00		1296.00	1284.00	1110.00	1155.00	937.00	1146.00	1153.00	1111.00	1333.00	1341.00
30	1514.00		1466.00	1032.00	1060.00	1535.00	2120.00	1194.00	1062.00	1151.00	1175.00	1131.00
31	1142.00		1009.00		1269.00		1506.00	1328.00		1013.00		1018.00
Min	862.00	1003.00	1009.00	886.00	948.00	990.00	933.00	1146.00	1038.00	1013.00	791.00	861.00
Mean	1370.81	1351.11	1336.97	1291.47	1342.16	1451.73	1402.06	1440.35	1216.00	1153.55	1172.23	1180.45
Max	1793.00	1538.00	1850.00	1720.00	1875.00	1917.00	2120.00	1919.00	1699.00	1334.00	1333.00	1634.00