

MADOC DRINKING WATER SYSTEM

SYSTEM CATEGORY – LARGE MUNICIPAL RESIDENTIAL

ANNUAL WATER REPORT

SUBMITTED TO

Owner: The Corporation of the Municipality of Centre Hastings

SUBMITTED BY

Operating Authority: Ontario Clean Water Agency (OCWA)

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1 Report Availability

Table 1 Report Availability

REPORT AVAILABILITY	
POPULATION SERVED	<10,000
Website where the annual report can be viewed by the public:	www.centrehastings.ca
Alternate location where annual report will be available for inspection and is free of charge:	Municipal Office
How are system users notified that the annual report is available and is free of charge?	Public access/notice via Municipal Website
Number of Designated Facilities served:	None
Has a copy of this report been provided to all Designated Facilities?	N/A
Number of Interested Parties reported to:	N/A
Has a copy of this report been provided to all Interested Parties?	N/A
The following Drinking Water Systems receive drinking water from this system:	N/A
Has a copy of this report been provided to connected owners?	N/A

2 Compliance Report Card

Table 2 Drinking Water System Information

DRINKING WATER SYSTEM INFORMATION	
Drinking Water System No. 220001575	
System Owner:	The Corporation of the Municipality of Centre Hastings
Operating Authority:	Ontario Clean Water Agency
Drinking Water System Category:	Large Municipal Residential
Reporting Period:	January 1, 2025 – December 31, 2025

Table 3 Compliance Event Summary

EVENT SUMMARY			
Event	# Of Events	Date	Details
Ministry of the Environment Inspections:	1	29-Aug-25	Unannounced Drinking Water Inspection
Ministry of Labour Inspections:	0	-	-
DWQMS Audits:	1	28-Aug-25	Full Scope Re-Accreditation
AWQI's	1	2-Sept-25	Well #4 Effluent Filter Turbidity Spikes occurred above 1 NTU > 15 minutes
Non-Compliances:	1	28-Aug-25	Well #4 Effluent Filter Turbidity Spikes occurred above 1 NTU > 15 minutes
Community Complaints:	0	-	-
Spills:	0	-	-

3 Quality Control Measures

The Corporation of the Municipality of Centre Hastings facilities are part of OCWA’s operational Trent Valley Hub. The facilities are supported by hub, regional, and corporate resources. Operational Services are delivered by OCWA staff that live and work in the surrounding area.

OCWA operates facilities in compliance with applicable regulations. The facility has comprehensive manuals detailing operations, maintenance, instrumentation, and emergency procedures. All procedures are treated as active documents, with annual reviews.

OCWA has additional “Value Added” and operational support services that The Corporation of the Municipality of Centre Hastings benefits from including:

- Access to a network of operational compliance and support experts at the regional and corporate level, as well as affiliated programs that include the following:
 - Quality & Environmental Management System, Occupational Health & Safety System, and an internal compliance audit system.
 - PDM (WISKI) facility operating information repository, which consolidates field data, online instrumentation, and electronic receipt of lab test results for reporting, tracking, and analysis.
 - Work Management System (WMS) tracks and reports maintenance activities, and creates predictive and preventative reports.
 - Wonderware wide-area SCADA system allows for process optimization and data logging, process trending, remote alarming and optimization of staff time.
- Client reporting which includes operational data, equipment inventory, financial statements, maintenance work orders, and capital status reports.
- Site-Specific Contingency Plans and Standard Operating Procedures.
- Use of accredited laboratories.
- Access to a network of operational compliance and support experts at the hub, region, and corporate level.
- Additional support in response to unusual circumstances, and extra support in an emergency.
- Use of sampling schedules for external laboratory sampling.

4 System Process Description

4.1 Raw Water Source

The raw water source for the Madoc Drinking Water System consists of two groundwater wells. Well #3, located on Rollins Street, is considered the main water supply well, while Well #4, located on Marmora Street, is proposed as a secondary standby well.

4.2 Treatment

Madoc Drinking Water System is a two well supply system; Well # 3 – Rollins Street and Well #4 – Marmora Street. Both wells are considered to be groundwater under the direct influence of surface water (GUDI).

The Well #3 treatment system consists of a dual train cartridge filtration, ultraviolet light system and sodium hypochlorite. Well #3 is equipped with on-line, alarmed continuous monitoring analyzers for treated water free chlorine residual and turbidity.

The Well #4 treatment system consists of a dual train cartridge filtration, ultraviolet light system, an arsenic removal system, as well as sodium hypochlorite. Well #4 is equipped with on-line, alarmed continuous monitoring analyzers for treated water free chlorine residual and turbidity.

The primary disinfection process for both treatment systems is achieved through the ultraviolet system, while sodium hypochlorite is the secondary disinfectant.

Distribution free chlorine residual is continuously monitored with an on-line, alarmed chlorine analyzer. Both facilities contain a well pump lock out system in case of disinfection failure.

4.3 Treatment Chemicals Used

Table 4 Treatment Chemicals Used

TREATMENT CHEMICALS USED		
Chemical Name	Use	Supplier
Sodium Hypochlorite	Disinfection	Brenntag & Jutzi Water Technologies

5 Summary of Non-Compliances

5.1 Adverse Water Quality Incidents

Table 5 Adverse Water Quality Incident Summary

ADVERSE WATER QUALITY INCIDENTS					
Date	AWQI #	Parameter	Result	Exceedance of	Corrective Actions Taken
28-Aug-25	169711	Filter Effluent Turbidity	Well #4 – Filter effluent turbidity spiked above 1 NTU	> 15-minute interval	Well #4 Effluent Filter Turbidity Spikes occurred above 1 NTU >15-minute interval on August 28, 2025. Operator found during 72-hour review, immediately investigated cause of filter effluent turbidity spikes. Determined well pump was sucking in air. Well #4 is used as a back-up with known air issues. Confirmed all treated water parameters were within normal range, confirmed CT was met, UV and sodium hypo systems

					operational. Notified ORO, SOM and SPC. SPC notified local MECIP Inspector. Operations personnel monitoring well closely to ensure effluent turbidity results are within normal range. Operating Authority SCADA support reducing the high effluent turbidity alarm set point duration.
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5.2 Non-Compliances

Table 6 Non-Compliance Summary

NON-COMPLIANCES				
Legislation	Requirement(s) System Failed to Meet	Duration of the Failure (i.e., date(s))	Corrective Action	Status
N/A	N/A	N/A	N/A	N/A

5.3 Non-Compliances Found in a Ministry Inspection

Ministry of the Environment Inspection Rating: 96.32%

Table 7 Non-Compliances Identified in a Ministry Inspection Summary

NON-COMPLIANCES IDENTIFIED IN A MINISTRY INSPECTION				
Legislation	Requirement(s) System Failed to Meet	Duration of the Failure (i.e., date(s))	Corrective Action	Status
Schedule 16-6 of O. Reg 170/03	Were immediate verbal notification requirements for adverse water quality incidents met?	August 28, 2025 – 15 minutes	No further actions required as the operating authority has implemented changes and training prior to issuance of this report.	Resolved – Applied for regulatory relief

6 Flows

6.1 Raw Water Flows

The Raw Water flows are regulated under Permit to Take Water #2660-B5FQPP (Exp. 15-Oct-28). Additional flow data can be found under the Water Taking and Transfer Data.

6.1.1 Well #3

Table 8 Monthly Raw Water Flow Summary – Well #3

MONTHLY RAW WATER FLOW SUMMARY – WELL #3												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable Daily Flow (m ³ /day)	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
Max Flow (m ³ /day)	735	1003	674	736	877	794	861	874	780	617	556	580
Average Flow (m ³ /day)	520	552	510	559	644	617	660	539	527	436	426	436
PTTW Max Allowable Peak Flow (L/min)	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020
Max Peak Flow (L/min)	918	918	947	948	986	1135	984	963	951	964	979	996

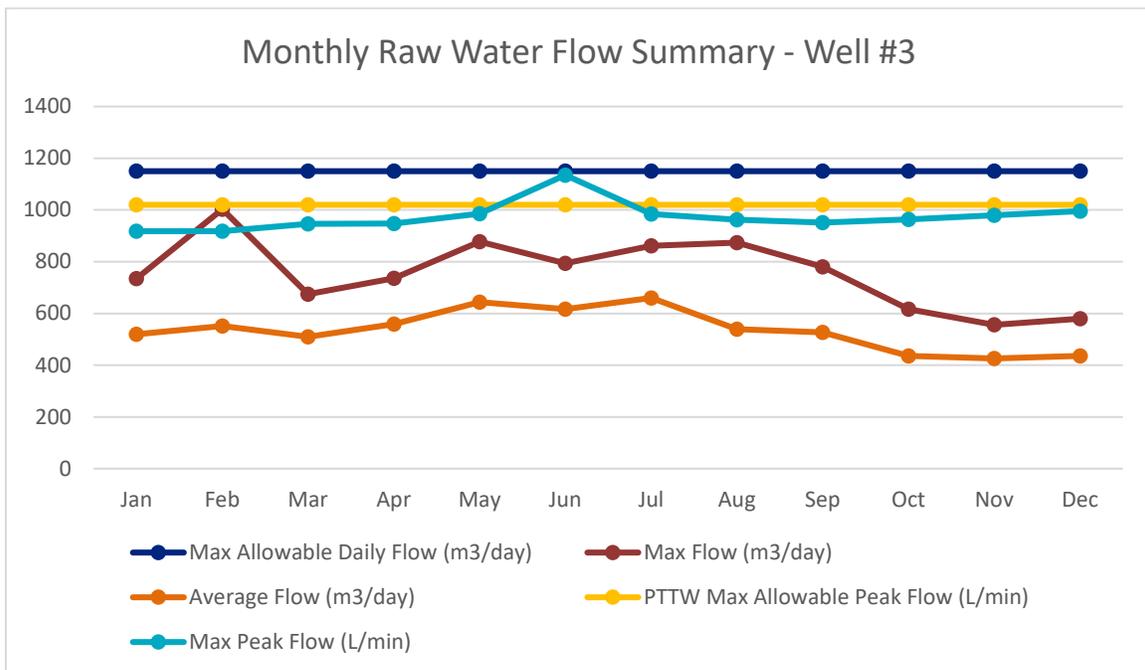


Figure 1 Monthly Raw Water Flow Summary – Well #3

The above table shows there was an increase in the peak flow rate (L/min) in June 2025. This occurrence was caused by increased production of water due to a watermain break in the distribution system.

6.1.2 Well #4

Table 9 Monthly Raw Water Flow Summary – Well #4

MONTHLY RAW WATER FLOW SUMMARY – WELL #4												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable Daily Flow (m ³ /day)	1470	1470	1470	1470	1470	1470	1470	1470	1470	1470	1470	1470
Max Flow (m ³ /day)	113	270	144	111	316	79	98	217	32	24	57	16
Average Flow (m ³ /day)	35	53	14	15	25	12	12	59	2.8	4.4	3.4	2.3
PTTW Max Allowable Peak Flow (L/min)	1115	1115	1115	1115	1115	1115	1115	1115	1115	1115	1115	1115
Max Peak Flow (L/min)	1030	1008	1053	1090	1062	1036	1043	1013	997	1000	1006	1037

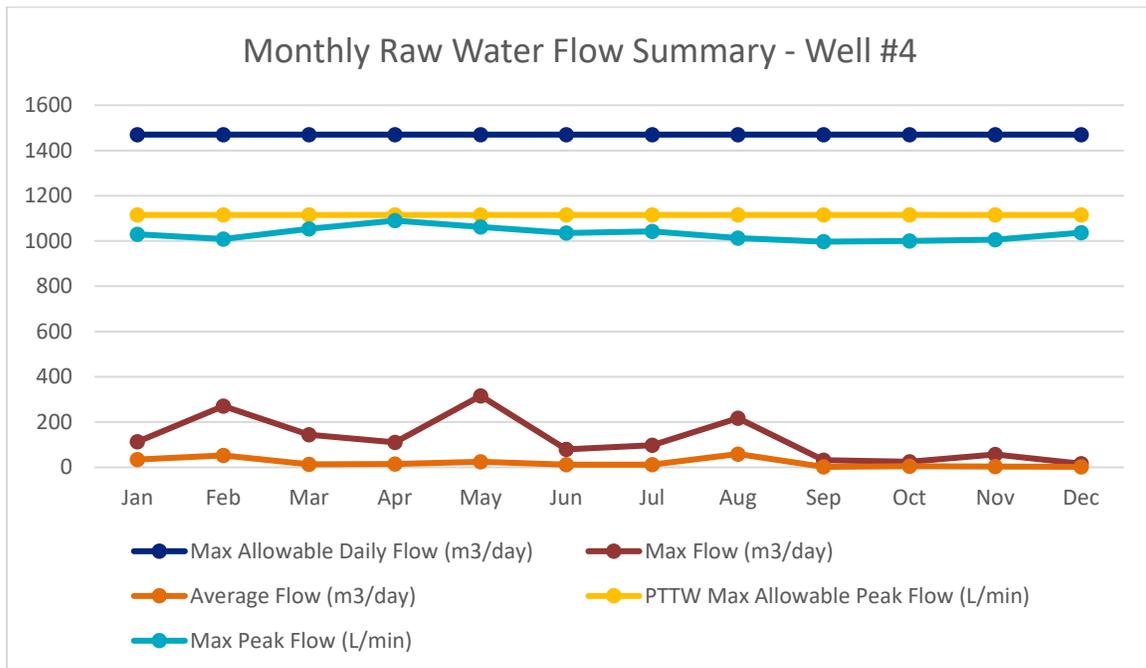


Figure 2 Monthly Raw Water Flow Summary – Well #4

6.2 Treated Water Flows

The treated water flows are regulated under the Municipal Drinking Water Licence #153-202 Issue 5. The Madoc Drinking Water System has a rated capacity of 1,469 m³/day for Well #3 and 1,470 m³/day for Well #4.

6.2.1 Well #3

Table 10 Monthly Treated Water Flow Summary – Well #3

MONTHLY TREATED WATER FLOW SUMMARY – WELL #3												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Rated Capacity (m ³ /day)	1469	1469	1469	1469	1469	1469	1469	1469	1469	1469	1469	1469
Max Daily Flow (m ³ /day)	714	845	630	716	844	754	835	839	756	588	523	542
Average Daily Flow (m ³ /day)	498	500	485	535	616	588	631	513	504	414	403	413

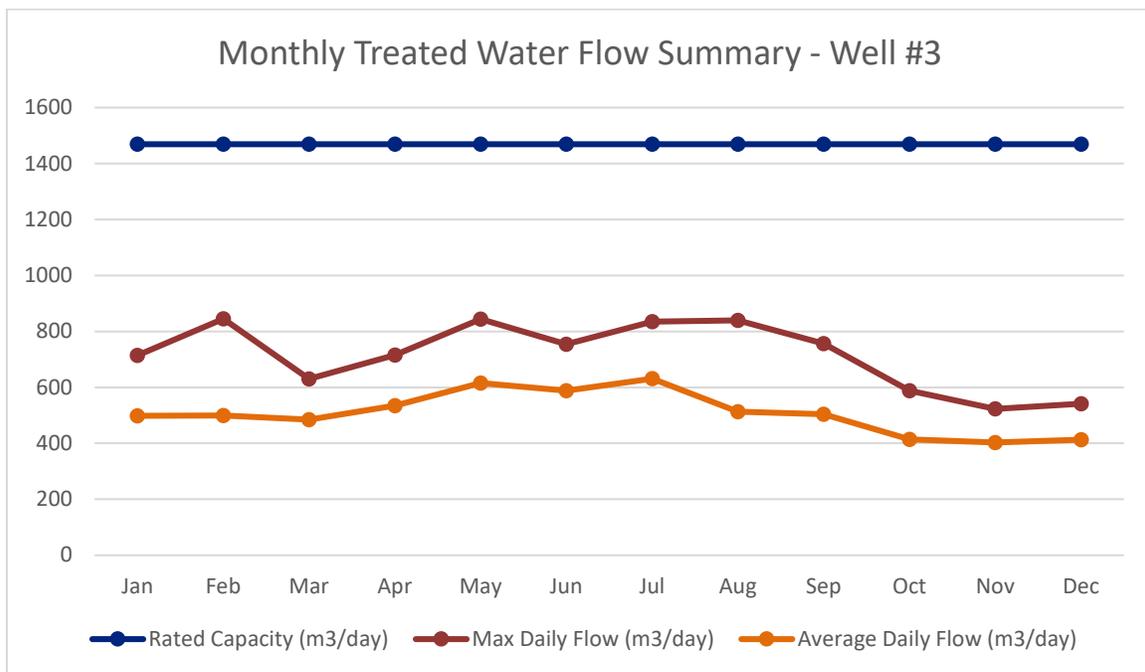


Figure 3 Monthly Treated Water Flow Summary – Well #3

6.2.2 Well #4

Table 11 Monthly Treated Water Flow Summary – Well #4

MONTHLY TREATED WATER FLOW SUMMARY – WELL #4												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Rated Capacity (m ³ /day)	1470	1470	1470	1470	1470	1470	1470	1470	1470	1470	1470	1470
Max Daily Flow (m ³ /day)	113	270	144	111	316	79	98	217	32	24	54	15.1
Average Daily Flow (m ³ /day)	32.2	50.4	16.9	14.9	24.6	11.6	12.1	59.0	2.80	2.29	3.15	2.12

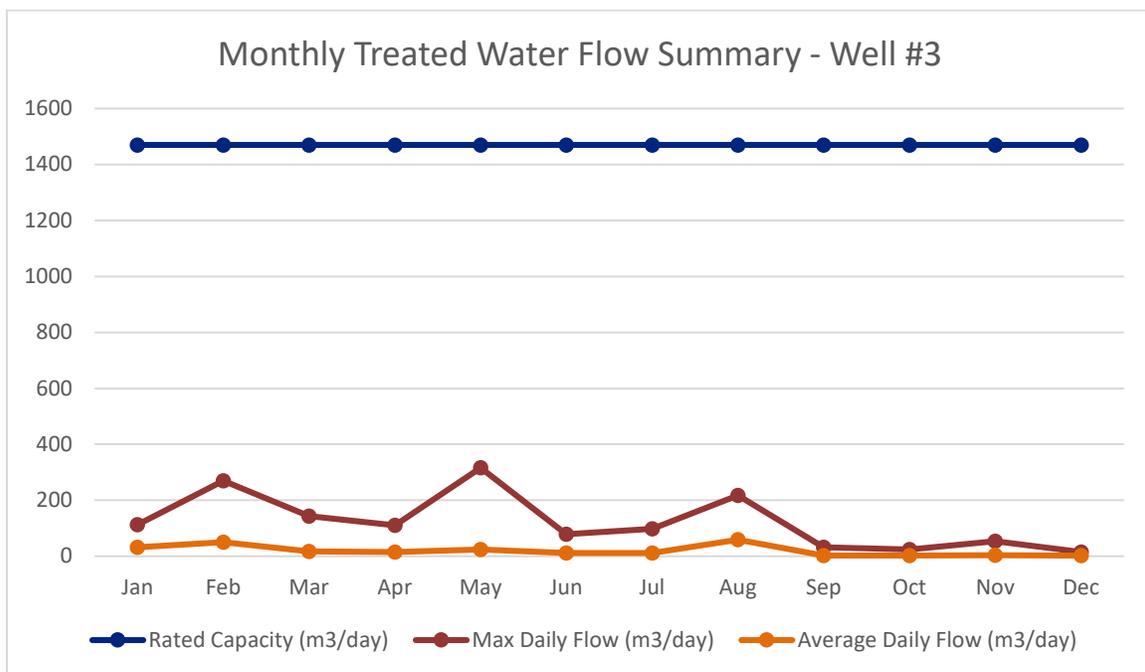


Figure 4 Monthly Treated Water Flow Summary – Well #4

7 Regulatory Sample Results

- RW3 – Raw Water Well #3
- TW3 – Treated Water Well #3
- RW4 – Raw Water Well #4
- TW4 – Treated Water Well #4
- DW – Distribution Water

7.1 Microbiological Testing

Table 12 Microbiological Testing

MICROBIOLOGICAL TESTING SUMMARY 2025					
Location	# Of Samples	E. coli Results (min – max)	Total Coliform Results (min – max)	# Of HPC Samples	HPC Results (min – max)
RW3	52	0 – 4	0 – 133	N/A	N/A
RW4	52	0 – 0	0 – 16	N/A	N/A
TW3	52	0 – 0	0 – 0	52	0 - 39
TW4	52	0 – 0	0 – 0	52	0 - 2
DW	158	0 – 0	0 – 0	155	0 - 36

7.2 Operational Testing

7.2.1 On-Line

Table 13 On-Line Monitoring

ON-LINE MONITORING DATA	
Parameter	Range of Results (min # - max #)
Turbidity – Well #3 Train 1 Filter Effluent	0.00 – 0.61 NTU
Turbidity – Well #3 Train 2 Filter Effluent	0.00 – 1.47 NTU
Free Chlorine – Well #3 Treated Water	0.98 – 3.75 mg/L
Free Chlorine – Distribution Water	0.96 – 2.53 mg/L
Total Chlorine – Distribution Water	1.31 – 2.86 mg/L
Turbidity – Well #4 Train 1 Filter Effluent	0.00 – 2.09 NTU
Turbidity – Well #4 Train 2 Filter Effluent	0.00 – 2.07 NTU
Free Chlorine – Well #4 Treated Water	0.48 – 4.86 mg/L

* Instrument spikes and dips recorded by on-line instrumentation were a result of air bubbles and various maintenance and calibration activities. Power interruptions may also cause an instrument reading to drop to zero. All events are reviewed for compliance with O. Reg 170/03 and if warranted, are reported to the Ministry of Environment as Adverse Water Quality Incidents.

7.2.2 In-House

Table 14 In-House Monitoring

IN-HOUSE MONITORING DATA	
Parameter	Range of Results (min # - max #)
Raw Water Turbidity – Well #3	0.08 – 0.28 NTU
Raw Water UVT – Well #3	91.00 – 93.80 %
Raw Water Turbidity – Well #4	0.09 – 0.32 NTU
Raw Water UVT – Well #4	90.80 – 95.40 %

Free Chlorine – Treated Water Well #3	1.76 – 2.80 mg/L
Free Chlorine – Treated Water Well #4	1.26 – 3.00 mg/L
Free Chlorine – Distribution Water	0.67 – 2.50 mg/L

7.3 Additional Legislated Samples

Table 15 Additional Legislated Sampling

ADDITIONAL LEGISLATED SAMPLING – MDWL 153-101			
Parameter	Location	# Of Grab Samples	Range of Results (min – max)
Antimony	RW3	1	1.30 ug/L
	RW4	4	<0.60 – 0.60 ug/L
	TW3	1	1.10 ug/L
	TW4	5	0.60 – 1.00 ug/L
Arsenic	RW4	12	6.10 – 8.50 ug/L
	TW4	13	<0.20 – 0.30 ug/L
Fluoride	TW	Fluoride is not used at this facility.	

7.4 Lead Sampling

The Lead Sampling Program is required under O. Reg 170/03. This system qualified for the plumbing exemption and is on a reduced sampling schedule. Lead is sampled every 36 months, and pH and alkalinity are sampled every 12 months. Distribution pH and alkalinity were sampled in 2025, and the next lead samples are scheduled to be taken in 2027.

Table 16 Lead Sampling Summary

LEAD SAMPLING				
Location	Date Limits:	Lead (ug/L) 10	pH 6.5 – 8.5	Alkalinity (mg/L as CaCO ₃) 30 - 500
Hydrant #82	10-Mar-25	-	7.77	330
Hydrant #99	10-Mar-25	-	7.79	318
Hydrant #82	16-Sep-25	-	7.78	324
Hydrant #99	16-Sep-25	-	7.94	312

7.5 Inorganic Parameters

- MAC – Maximum Acceptable Concentration as per O. Reg 169/03
- MDL – Laboratory method detection level
- Note – Fluoride and Sodium are only required to be tested every 60 months

Table 17 Inorganic Parameter Testing

INORGANIC PARAMETER TESTING					
Parameter	Sample Date	Sample Result	MAC	MAC Exceedance	½ MAC Exceedance
Barium: Ba (ug/L) – TW3	03-Mar-25	173.00	1000	No	No

Barium: Ba (ug/L) – TW4	03-Mar-25	240.00	1000	No	No
Boron: B (ug/L) – TW3	03-Mar-25	26.00	5000	No	No
Boron: B (ug/L) – TW4	03-Mar-25	23.00	5000	No	No
Cadmium: Cd (ug/L) – TW3	03-Mar-25	0.16	5	No	No
Cadmium: Cd (ug/L) – TW4	03-Mar-25	0.01	5	No	No
Chromium: Cr (ug/L) – TW3	03-Mar-25	0.26	50	No	No
Chromium: Cr (ug/L) – TW4	03-Mar-25	0.22	50	No	No
Mercury: Hg (ug/L) – TW3	03-Mar-25	<MDL 0.60	1	No	No
Mercury: Hg (ug/L) – TW4	03-Mar-25	<MDL 0.01	1	No	No
Selenium: Se (ug/L) – TW3	03-Mar-25	0.43	50	No	No
Selenium: Se (ug/L) – TW4	03-Mar-25	0.31	50	No	No
Uranium: U (ug/L) – TW3	03-Mar-25	1.29	20	No	No
Uranium: U (ug/L) – TW4	03-Mar-25	0.85	20	No	No
Additional Inorganics					
Fluoride (mg/L) – TW3	10-Jul-23	0.38	1.5	No	No
Nitrate: (mg/L) – TW3	13-Jan-25	0.01	10	No	No
Nitrate: (mg/L) – TW3	14-Apr-25	2.04	10	No	No
Nitrate: (mg/L) – TW3	07-Jul-25	2.47	10	No	No
Nitrate: (mg/L) – TW3	14-Oct-25	0.89	10	No	No
Nitrate: (mg/L) – TW4	13-Jan-25	1.47	10	No	No
Nitrate: (mg/L) – TW4	14-Apr-25	0.34	10	No	No
Nitrate: (mg/L) – TW4	07-Jul-25	2.32	10	No	No
Nitrate: (mg/L) – TW4	14-Oct-25	1.23	10	No	No
Nitrite: (mg/L) – TW3	13-Jan-25	<MDL 0.006	1	No	No
Nitrite: (mg/L) – TW3	14-Apr-25	<MDL 0.006	1	No	No
Nitrite: (mg/L) – TW3	07-Jul-25	<MDL 0.006	1	No	No
Nitrite: (mg/L) – TW3	14-Oct-25	<MDL 0.006	1	No	No
Nitrite: (mg/L) – TW4	13-Jan-25	<MDL 0.006	1	No	No
Nitrite: (mg/L) – TW4	14-Apr-25	<MDL 0.006	1	No	No
Nitrite: (mg/L) – TW4	07-Jul-25	<MDL 0.006	1	No	No
Nitrite: (mg/L) – TW4	14-Oct-25	<MDL 0.006	1	No	No
60 Month Samples					
Fluoride (mg/L) – TW3	10-Jul-23	0.38	1.50	No	No
Sodium (mg/L) – TW3	10-Jul-23	53.1	20.0*	Yes	Yes
Fluoride (mg/L) – TW4	10-Jul-23	0.53	1.50	No	No
Sodium (mg/L) – TW4	10-Jul-23	44.0	20.0*	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 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.

7.6 Organic Parameters

- MAC – Maximum Allowable Concentration as per O. Reg 169/03
- MDL – Laboratory method detection level

Table 18 Organic Parameter Testing

ORGANIC PARAMETER TESTING						
Parameter	Sample Date	Sample Result – TW3	Sample Result – TW4	MAC	MAC Exceedance	½ MAC Exceedance
Alachlor (ug/L)	05-Mar-25	<MDL 0.02	<MDL 0.02	5.0	No	No
Atrazine + N-dealkylated metabolites (ug/L)	05-Mar-25	<MDL 0.01	<MDL 0.01	5.0	No	No
Azinphos-methyl (ug/L)	05-Mar-25	<MDL 0.05	<MDL 0.05	20.0	No	No
Benzene (ug/L)	05-Mar-25	<MDL 0.32	<MDL 0.32	1.0	No	No
Benzo(a)pyrene (ug/L)	05-Mar-25	<MDL 0.004	<MDL 0.004	0.01	No	No
Bromoxynil (ug/L)	05-Mar-25	<MDL 0.33	<MDL 0.33	5.0	No	No
Carbaryl (ug/L)	05-Mar-25	<MDL 0.05	<MDL 0.05	90.0	No	No
Carbofuran (ug/L)	05-Mar-25	<MDL 0.01	<MDL 0.01	90.0	No	No
Carbon Tetrachloride (ug/L)	05-Mar-25	<MDL 0.17	<MDL 0.17	2.0	No	No
Chlorpyrifos (ug/L)	05-Mar-25	<MDL 0.02	<MDL 0.02	90.0	No	No
Diazinon (ug/L)	05-Mar-25	<MDL 0.02	<MDL 0.02	20.0	No	No
Dicamba (ug/L)	05-Mar-25	<MDL 0.20	<MDL 0.20	120.0	No	No
1,2-Dichlorobenzene (ug/L)	05-Mar-25	<MDL 0.41	<MDL 0.41	200.0	No	No
1,4-Dichlorobenzene (ug/L)	05-Mar-25	<MDL 0.36	<MDL 0.36	5.0	No	No
1,2-Dichloroethane (ug/L)	05-Mar-25	<MDL 0.35	<MDL 0.35	5.0	No	No
1,1-Dichloroethylene (ug/L)	05-Mar-25	<MDL 0.33	<MDL 0.33	14.0	No	No
Dichloromethane (Methylene Chloride) (ug/L)	05-Mar-25	<MDL 0.35	<MDL 0.35	50.0	No	No
2,4-Dichlorophenol (ug/L)	05-Mar-25	<MDL 0.15	<MDL 0.15	900.0	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)	05-Mar-25	<MDL 0.19	<MDL 0.19	100.0	No	No
Diclofop-methyl (ug/L)	05-Mar-25	<MDL 0.40	<MDL 0.40	9.0	No	No
Dimethoate (ug/L)	05-Mar-25	<MDL 0.06	<MDL 0.06	20.0	No	No
Diquat (ug/L)	05-Mar-25	<MDL 1.0	<MDL 1.0	70.0	No	No
Diuron (ug/L)	05-Mar-25	<MDL 0.03	<MDL 0.03	150.0	No	No
Glyphosate (ug/L)	05-Mar-25	<MDL 1.0	<MDL 1.0	280.0	No	No
Malathion (ug/L)	05-Mar-25	<MDL 0.02	<MDL 0.02	190.0	No	No
Metolachlor (ug/L)	05-Mar-25	<MDL 0.01	<MDL 0.01	50.0	No	No
Metribuzin (ug/L)	05-Mar-25	<MDL 0.02	<MDL 0.02	80.0	No	No
Monochlorobenzene (Chlorobenzene) (ug/L)	05-Mar-25	<MDL 0.3	<MDL 0.3	80.0	No	No
Paraquat (ug/L)	05-Mar-25	<MDL 1.0	<MDL 1.0	10.0	No	No
PCB (ug/L)	05-Mar-25	<MDL 0.04	<MDL 0.04	3.0	No	No

Pentachlorophenol (ug/L)	05-Mar-25	<MDL 0.15	<MDL 0.15	60.0	No	No
Phorate (ug/L)	05-Mar-25	<MDL 0.01	<MDL 0.01	2.0	No	No
Picloram (ug/L)	05-Mar-25	<MDL 1.0	<MDL 1.0	190.0	No	No
Prometryne (ug/L)	05-Mar-25	<MDL 0.03	<MDL 0.03	1.0	No	No
Simazine (ug/L)	05-Mar-25	<MDL 0.01	<MDL 0.01	10.0	No	No
Terbufos (ug/L)	05-Mar-25	<MDL 0.01	<MDL 0.01	1.0	No	No
Tetrachloroethylene (ug/L)	05-Mar-25	<MDL 0.35	<MDL 0.35	10.0	No	No
2,3,4,6-Tetrachlorophenol (ug/L)	05-Mar-25	<MDL 0.20	<MDL 0.20	100.0	No	No
Triallate (ug/L)	05-Mar-25	<MDL 0.01	<MDL 0.01	230.0	No	No
Trichloroethylene (ug/L)	05-Mar-25	<MDL 0.44	<MDL 0.44	5.0	No	No
2,4,6-Trichlorophenol (ug/L)	05-Mar-25	<MDL 0.25	<MDL 0.25	5.0	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (mg/L)	05-Mar-25	<MDL 0.00012	<MDL 0.00012	100.0	No	No
Trifluralin (ug/L)	05-Mar-25	<MDL 0.02	<MDL 0.02	45.0	No	No
Vinyl Chloride (ug/L)	05-Mar-25	<MDL 0.17	<MDL 0.17	1.0	No	No
Distribution Water						
Haloacetic Acid: Total (ug/L) Annual Running Average	2025	7.08		80	No	No
Trihalomethane: Total (ug/L) Annual Running Average	2025	23.00		100	No	No

8 Maintenance Summary

OCWA uses a risk-based preventative maintenance framework that ensures assets are maintained to manufacturer’s and/or industry standards. Maintenance is completed using various tools and operational supports.

OCWA uses a Work Tracking Database (Maximo). Maximo is a maintenance tracking system that can generate work orders as well as give summaries of completed and scheduled work. During the year, the operating authority at the facility generates scheduled work orders on a weekly, monthly and annual basis. The service work is recorded in the work order history. This ensures routine and preventive maintenance is carried out. Emergency and capital repair maintenance is completed and added to the system.

Capital projects are listed and provided to the Corporation of the Municipality of Centre Hastings in the form of a “Capital Forecast”. This list is developed by facility staff and provides recommendations for facility components requiring upgrading or improvement.

Table 19 Completed Work Orders

WORK ORDER SUMMARY	
Preventative/Weekly Maintenance Work Orders Completed	384
Operational Maintenance Work Orders Completed	17
Capital Maintenance Work Orders Completed	3

8.1 Highlights: Major Expenses Incurred to Install, Repair, or Replace Required Equipment

Table 20 Major Expenses 2025

MAJOR EXPENSES 2025
Filters
Treated Well #4 Flow Meter Installed
Generlink Cable
Stainless Work Table and Sink
Total & Free Chlorine Sensors
Trojan UV Replacement Parts & Annual Maintenance

9 Quality and Environmental Management System

A Full Scope Re-Accreditation audit was conducted by Intertek SAI Global on August 28th, 2025. The Corporation of the Municipality of Centre Hastings' Quality Management System conforms to the Drinking Water Quality Management Standard.

10 Water Taking and Transfer Data

Raw water taking data was submitted electronically on February 9th, 2026, to the Ministry of the Environment, Conservation, and Parks for the reporting period of January 1, 2025 – December 31, 2025, under Permit to Take Water #2660-B5FQPP.

The screenshot displays the WTRS web application interface. At the top, it features the Ontario logo, the environet logo, and the WTRS logo. The Ministry of the Environment, Conservation and Parks is also identified. A navigation bar includes links for WT DATA, USER PROFILE, CONTACT US, HELP, HOME, and LOGOUT. The current location is shown as WTRS / WT DATA / Input WT Record. A prominent green message box states "Water Taking Data submitted successfully." Below this, a confirmation section provides details: Permit Number: 2660-B5FQPP, Permit Holder: THE CORPORATION OF THE MUNICIPALITY OF CENTRE HASTINGS, and Received on: Feb 9, 2026 11:31 AM. A disclaimer notes that this confirmation indicates data receipt but does not constitute acceptance. Two buttons are provided: "Print Confirmation" and "Return to Main Page".

Figure 5 Submission for PTTW #2660-B5FQPP