

# **HAVELOCK DRINKING WATER SYSTEM**

## **SYSTEM CATEGORY – LARGE MUNICIPAL RESIDENTIAL**

### **ANNUAL WATER REPORT**

**SUBMITTED TO**

Owner: The Township of Havelock-Belmont-Methuen

**SUBMITTED BY**

Operating Authority: Ontario Clean Water Agency (OCWA)

Issued: February 25, 2026

Revision: 0

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

# Table of Contents

<b>1</b>	<b>Report Availability .....</b>	<b>1</b>
<b>2</b>	<b>Compliance Report Card.....</b>	<b>1</b>
<b>3</b>	<b>Quality Control Measures.....</b>	<b>2</b>
<b>4</b>	<b>System Process Description .....</b>	<b>2</b>
4.1	Raw Water Source.....	2
4.2	Treatment .....	2
4.3	Treatment Chemicals Used .....	3
<b>5</b>	<b>Summary of Non-Compliances .....</b>	<b>3</b>
5.1	Adverse Water Quality Incidents .....	3
5.2	Non-Compliances .....	3
5.3	Non-Compliances Found in a Ministry Inspection .....	4
<b>6</b>	<b>Flows .....</b>	<b>4</b>
6.1	Raw Water Flows .....	4
6.1.1	Well #1 .....	4
6.1.2	Well #3 .....	5
6.1.3	Well #4 .....	6
6.2	Treated Water Flows.....	7
6.2.1	Well #1 & #4.....	7
6.2.2	Well #3 .....	8
<b>7</b>	<b>Regulatory Sample Results .....</b>	<b>9</b>
7.1	Microbiological Testing.....	9
7.2	Operational Testing.....	9
7.2.1	On-Line .....	9
7.2.2	In-House .....	10
7.3	Additional Legislated Samples .....	10
7.4	Lead Sampling .....	10
7.5	Inorganic Parameters.....	10
7.6	Organic Parameters .....	11
<b>8</b>	<b>Maintenance Summary .....</b>	<b>13</b>
8.1	Highlights: Major Expenses Incurred to Install, Repair, or Replace Required Equipment.....	13
<b>9</b>	<b>Quality and Environmental Management System .....</b>	<b>14</b>

**10 Water Taking and Transfer Data ..... 14**

**List of Tables**

Table 1 Report Availability ..... 1

Table 2 Drinking Water System Information ..... 1

Table 3 Compliance Event Summary ..... 1

Table 4 Treatment Chemicals Used ..... 3

Table 5 Adverse Water Quality Incident Summary..... 3

Table 6 Non-Compliance Summary ..... 3

Table 7 Non-Compliances Identified in a Ministry Inspection Summary..... 4

Table 8 Monthly Raw Water Flow Summary – Well #1 ..... 4

Table 9 Monthly Raw Water Flow Summary – Well #3 ..... 5

Table 10 Monthly Raw Water Flow Summary – Well #4 ..... 6

Table 11 Monthly Treated Water Flow Summary – Well #1 & #4..... 7

Table 12 Monthly Treated Water Flow Summary – Well #3 ..... 8

Table 13 Microbiological Testing ..... 9

Table 14 On-Line Monitoring ..... 9

Table 15 In-House Monitoring ..... 10

Table 16 Additional Legislated Sampling ..... 10

Table 17 Lead Sampling Summary ..... 10

Table 18 Inorganic Parameter Testing..... 11

Table 19 Organic Parameter Testing..... 11

Table 20 Completed Work Orders ..... 13

Table 21 Major Expenses 2025 ..... 13

**List of Figures**

Figure 1 Monthly Raw Water Flow Summary – Well #1 ..... 5

Figure 2 Monthly Raw Water Flow Summary – Well #3 ..... 6

Figure 3 Monthly Raw Water Flow Summary – Well #4 ..... 7

Figure 4 Monthly Treated Water Flow Summary – Well #1 & #4..... 8

Figure 5 Monthly Treated Water Flow Summary – Well #3 ..... 8

Figure 6 Submission for PTTW #P-300-1294150031..... 14

# 1 Report Availability

Table 1 Report Availability

REPORT AVAILABILITY	
POPULATION SERVED	
	<10,000
Website where the annual report can be viewed by the public:	<a href="http://www.hbmtwp.ca">www.hbmtwp.ca</a>
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 Township Website and Utility Bill
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. 210000595	
System Owner:	The Township of Havelock-Belmont-Methuen
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	25-Sep-25	Unannounced Focused Drinking Water Inspection
Ministry of Labour Inspections:	0	-	-
DWQMS Audits:	1	03-Jul-25	Surveillance 1 Audit
AWQI's	0	-	-
Non-Compliances:	0	-	-
Community Complaints:	11	2025	Well #3 in operation due to Level 3 drought conditions. Colour complaints received due to Naturally occurring iron and manganese found in the raw water characteristics of Well #3
Spills:	0	-	-

## 3 Quality Control Measures

The Township of Havelock-Belmont-Methuen 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 Township of Havelock-Belmont-Methuen 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 Havelock Drinking Water System consists of three groundwater wells; Well 1, Well 3, and Well 4.

### 4.2 Treatment

The Havelock Drinking Water System is operated with two treatment subsystems; Well #3, which is an independent subsystem and Wells #1 and #4, which are operated together.

Well #3 is a groundwater well under the direct influence of surface water (GUDI). Treatment consists of chemically assisted dual media (GAC/sand) gravity filtration with ultraviolet and sodium hypochlorite disinfection.

Well #1 and #4 utilize ultraviolet disinfection and sodium hypochlorite for treatment.

This water system has continuous, alarmed monitoring for treated water free chlorine residual, filter effluent turbidity, and distribution free chlorine residual.

## 4.3 Treatment Chemicals Used

Table 4 Treatment Chemicals Used

TREATMENT CHEMICALS USED		
Chemical Name	Use	Supplier
SternPac	Primary Coagulation	Kemira
Magnafloc	Coagulant Aid	BASF Canada
Granular Activated Carbon	Filter Media	Calgon Carbon / Continental Carbon Group
Sodium Hypochlorite – 12%	Disinfection	Jutzi Water Technologies & Brenntag

## 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
N/A	N/A	N/A	N/A	N/A	N/A

### 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: 100%

*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
N/A	N/A	N/A	N/A	N/A

## 6 Flows

The Havelock Drinking Water System has a rated capacity of 1,020 m<sup>3</sup>/day for Wells #1 and #4 and 1,313 m<sup>3</sup>/day for Well #3.

### 6.1 Raw Water Flows

The Raw Water flows are regulated under Permit to Take Water #P-300-1294150031 (Exp. 02-Jul-34). Additional flow data can be found under the Water Taking and Transfer Data section.

#### 6.1.1 Well #1

*Table 8 Monthly Raw Water Flow Summary – Well #1*

MONTHLY RAW WATER FLOW SUMMARY – WELL #1												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable Daily Flow (m <sup>3</sup> /day)	700	700	700	700	700	700	700	700	700	700	700	700
Max Flow (m <sup>3</sup> /day)	332	337	354	372	428	420	370	432	195	227	161	258
Average Flow (m <sup>3</sup> /day)	278	298	290	311	323	283	301	266	112	121	90	205
PTTW Max Allowable Peak Flow (L/min)	486	486	486	486	486	486	486	486	486	486	486	486
Max Peak Flow (L/min)	326	324	330	326	765	328	326	322	326	327	320	341

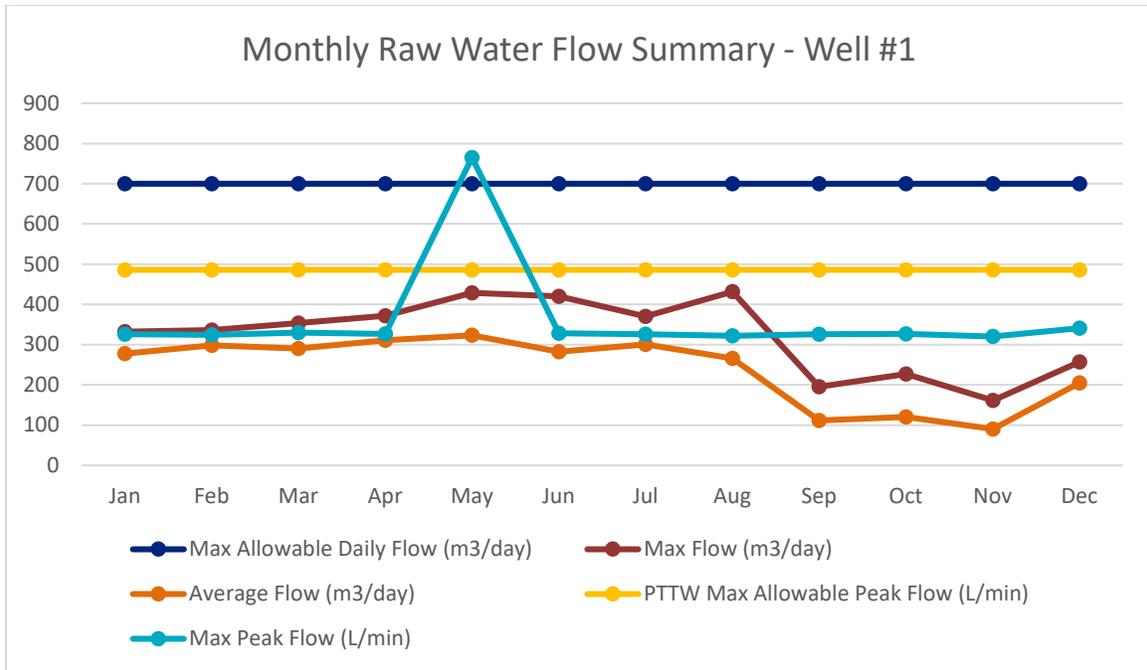


Figure 1 Monthly Raw Water Flow Summary – Well #1

The above table shows one spike in the max peak flow rate in May. This occurrence was caused by Annual Flow Meter Calibrations.

### 6.1.2 Well #3

Table 9 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 <sup>3</sup> /day)	1313	1313	1313	1313	1313	1313	1313	1313	1313	1313	1313	1313
Max Flow (m <sup>3</sup> /day)	69	119	58	50	51	84	50	333	388	354	382	267
Average Flow (m <sup>3</sup> /day)	4	7	6	3	5	7	4	137	274	206	248	28
PTTW Max Allowable Peak Flow (L/min)	912	912	912	912	912	912	912	912	912	912	912	912
Max Peak Flow (L/min)	48	83	40	35	35	58	35	231	269	246	265	186

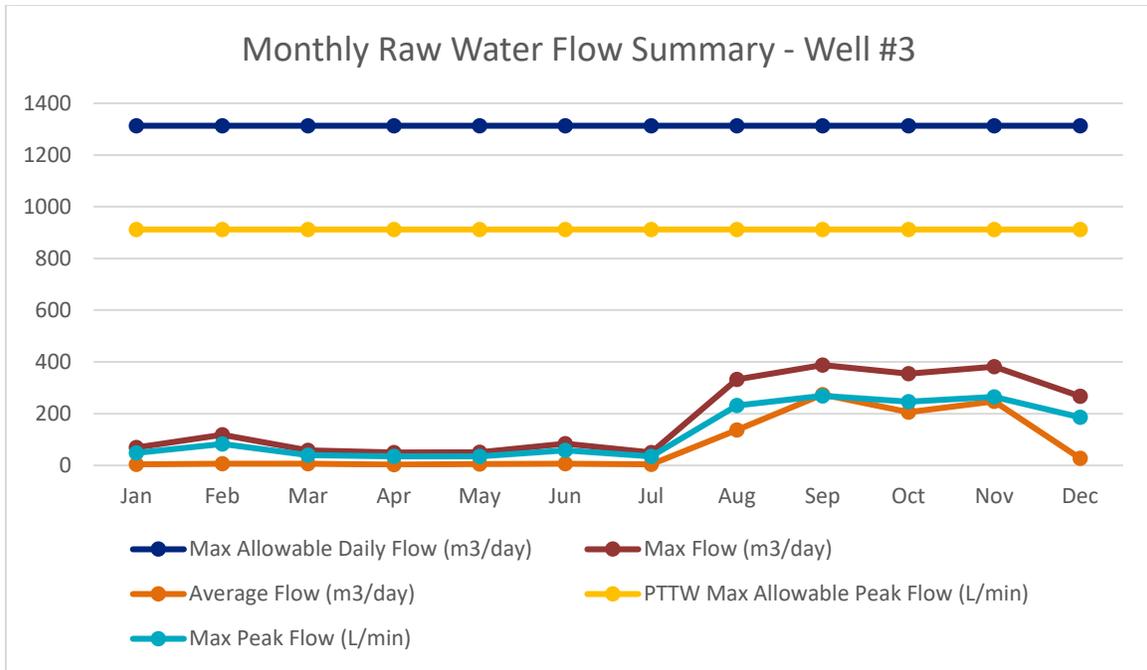


Figure 2 Monthly Raw Water Flow Summary – Well #3

### 6.1.3 Well #4

Table 10 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 <sup>3</sup> /day)	786	786	786	786	786	786	786	786	786	786	786	786
Max Flow (m <sup>3</sup> /day)	333	337	354	372	428	419	360	422	190	210	146	257
Average Flow (m <sup>3</sup> /day)	278	298	290	311	323	282	299	260	105	110	83	204
PTTW Max Allowable Peak Flow (L/min)	546	546	546	546	546	546	546	546	546	546	546	546
Max Peak Flow (L/min)	231	234	246	258	298	291	250	293	132	146	101	179

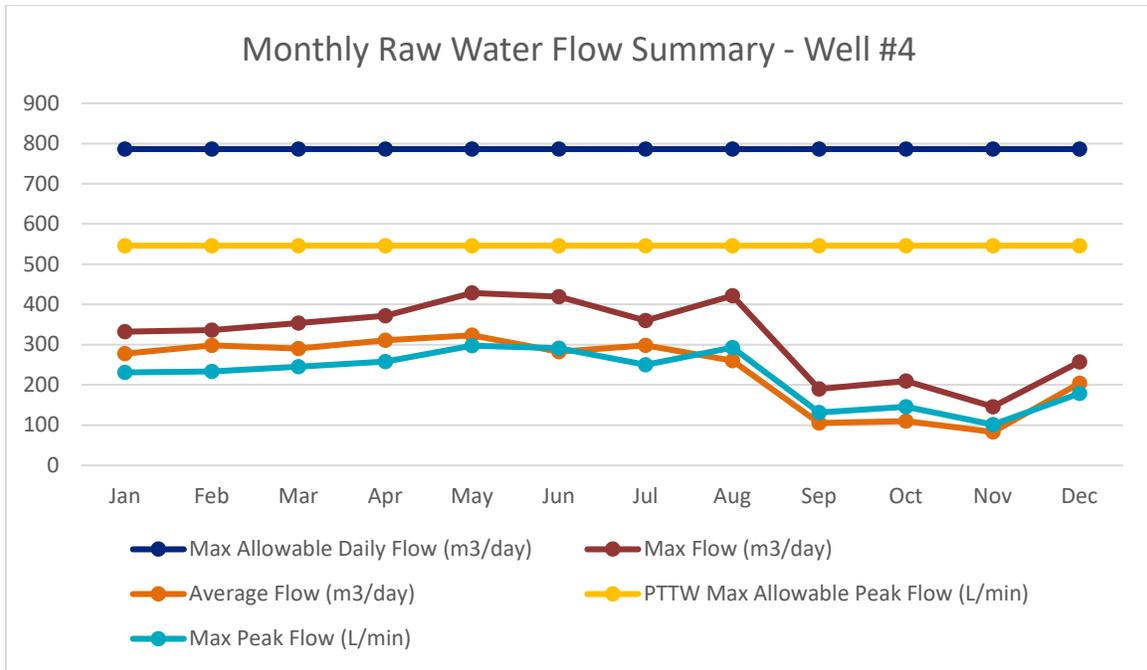


Figure 3 Monthly Raw Water Flow Summary – Well #4

## 6.2 Treated Water Flows

The treated water flows are regulated under the Municipal Drinking Water Licence #140-101 Issue 4.

### 6.2.1 Well #1 & #4

Table 11 Monthly Treated Water Flow Summary – Well #1 & #4

MONTHLY TREATED WATER FLOW SUMMARY – WELL #1 & #4												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Rated Capacity (m <sup>3</sup> /day)	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020	1020
Max Daily Flow (m <sup>3</sup> /day)	663	671	705	741	854	835	727	850	384	435	307	513
Average Daily Flow (m <sup>3</sup> /day)	553	594	579	620	644	563	597	524	217	230	173	408

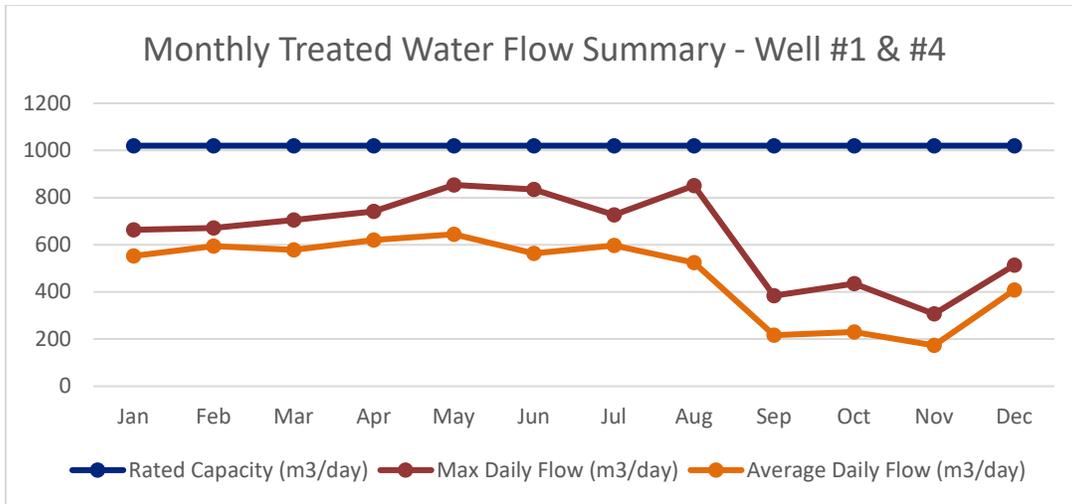


Figure 4 Monthly Treated Water Flow Summary – Well #1 & #4

### 6.2.2 Well #3

Table 12 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 <sup>3</sup> /day)	1313	1313	1313	1313	1313	1313	1313	1313	1313	1313	1313	1313
Max Daily Flow (m <sup>3</sup> /day)	5	3	2	2	4	1	2	239	328	322	324	298
Average Daily Flow (m <sup>3</sup> /day)	0	0	0	0	0	0	0	93	208	142	190	22

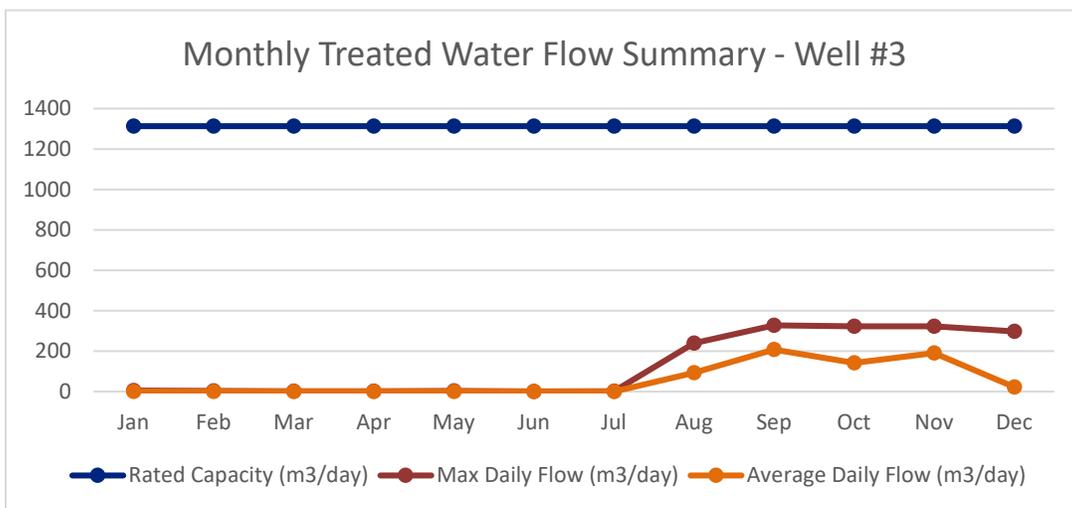


Figure 5 Monthly Treated Water Flow Summary – Well #3

## 7 Regulatory Sample Results

- RW1 – Raw Water Well #1
- RW3 – Raw Water Well #3
- RW4 – Raw Water Well #4
- TW1 – Treated Water Well #1
- TW3 – Treated Water Well #3
- TW4 – Treated Water Well #4
- TWc – Treated Water Well #1 & #4 Combined
- DW – Distribution Water

### 7.1 Microbiological Testing

Table 13 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)
RW1	52	0 – 1	0 – 2	N/A	N/A
RW3	52	0 – 120	0 – 180	N/A	N/A
RW4	52	0 – 1	0 – 3	N/A	N/A
TWc	52	0 – 0	0 – 0	52	0 – 2
TW3	52	0 – 0	0 – 0	52	0 – 9
DW	156	0 – 0	0 – 0	156	0 – 26

### 7.2 Operational Testing

#### 7.2.1 On-Line

Table 14 On-Line Monitoring

ON-LINE MONITORING DATA	
Parameter	Range of Results (min # - max #)
Turbidity – RW1	0.00 – 4.41 NTU
Turbidity – RW4	0.00 – 5.10 NTU
Turbidity – Well #3 Train 1 Filter Effluent	0.01 – 1.98 NTU
Turbidity – Well #3 Train 2 Filter Effluent	0.00 – 2.42 NTU
Free Chlorine – TW3	0.38 – 3.79 mg/L
Free Chlorine – TWc	1.02 – 5.00 mg/L
Free Chlorine – DW	0.52 – 2.49 mg/L
Fluoride – TW	Fluoride is not added at this facility.

\* 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 15 In-House Monitoring

IN-HOUSE MONITORING DATA	
Parameter	Range of Results (min # - max #)
Raw Water Turbidity – RW1	0.06 – 0.14 NTU
Raw Water Turbidity – RW4	0.03 – 0.41 NTU
Free Chlorine – TWc	1.59 – 2.30 mg/L
Free Chlorine – TW3	1.56 – 2.30 mg/L
Free Chlorine – DW	0.75 – 2.19 mg/L

## 7.3 Additional Legislated Samples

Table 16 Additional Legislated Sampling

ADDITIONAL LEGISLATED SAMPLING – MDWL 140-101 ISSUE 4				
Parameter	Location	# Of Grab Samples	Annual Average Results	Annual Average Limit
Suspended Solids	Well #3 Backwash Supernatant	12	2.0 mg/L	25 mg/L
Total Chlorine Residual	Well #3 Backwash Supernatant	12	0.011 mg/L	0.02 mg/L

## 7.4 Lead Sampling

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

Table 17 Lead Sampling Summary

LEAD SAMPLING				
Location	Date Limits:	Lead (ug/L) 10	pH 6.5 – 8.5	Alkalinity (mg/L as CaCO <sub>3</sub> ) 30 - 500
Hydrant #47	10-Mar-25	-	7.89	284
Hydrant #68	10-Mar-25	-	7.86	283
Hydrant #47	08-Sep-25	-	7.32	246
Hydrant #68	08-Sep-25	-	7.29	229

## 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 18 Inorganic Parameter Testing

INORGANIC PARAMETER TESTING						
Treated Water	Sample Date	TW3 Sample Result	TW 1&4 Combined Sample Result	MAC	MAC Exceedance	½ MAC Exceedance
Antimony: Sb (ug/L)	10-Mar-25	<MDL 0.06	<MDL 0.06	6	No	No
Arsenic: As (ug/L)	10-Mar-25	0.3	<MDL 0.2	10	No	No
Barium: Ba (ug/L)	10-Mar-25	45.3	128	1000	No	No
Boron: B (ug/L)	10-Mar-25	15	28	5000	No	No
Cadmium: Cd (ug/L)	10-Mar-25	0.016	0.003	5	No	No
Chromium: Cr (ug/L)	10-Mar-25	2.13	0.40	50	No	No
Mercury: Hg (ug/L)	10-Mar-25	<MDL 0.01	<MDL 0.01	1	No	No
Selenium: Se (ug/L)	10-Mar-25	0.11	0.58	50	No	No
Uranium: U (ug/L)	10-Mar-25	0.048	0.198	20	No	No
Additional Inorganics						
Nitrate: (mg/L)	06-Jan-25	0.04	1.91	10	No	No
Nitrate: (mg/L)	07-Mar-25	0.04	1.90	10	No	No
Nitrate: (mg/L)	07-Jul-25	0.04	2.45	10	No	No
Nitrate: (mg/L)	06-Oct-25	0.04	2.35	10	No	No
Nitrite: (mg/L)	06-Jan-25	<MDL 0.003	<MDL 0.003	1	No	No
Nitrite: (mg/L)	07-Mar-25	<MDL 0.003	<MDL 0.003	1	No	No
Nitrite: (mg/L)	07-Jul-25	<MDL 0.003	<MDL 0.003	1	No	No
Nitrite: (mg/L)	06-Oct-25	<MDL 0.003	<MDL 0.003	1	No	No
60 Month Samples						
Fluoride (mg/L)	04-Jul-23	<MDL 0.06	0.07	1.50	No	No
Sodium (mg/L)	04-Jul-23	30.40	108.00	20.0*	Yes	Yes
Sodium (mg/L)	17-Jul-23	31.70	108.00	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 19 Organic Parameter Testing

ORGANIC PARAMETER TESTING						
Treated Water	Sample Date	Sample Result – TW3	Sample Result – TWc	MAC	MAC Exceedance	½ MAC Exceedance
Alachlor (ug/L)	10-Mar-25	<MDL 0.02	<MDL 0.02	5.0	No	No
Atrazine + N-dealkylated metabolites (ug/L)	10-Mar-25	<MDL 0.01	<MDL 0.01	5.0	No	No

Azinphos-methyl (ug/L)	10-Mar-25	<MDL 0.05	<MDL 0.05	20.0	No	No
Benzene (ug/L)	10-Mar-25	<MDL 0.32	<MDL 0.32	1.0	No	No
Benzo(a)pyrene (ug/L)	10-Mar-25	<MDL 0.004	<MDL 0.004	0.01	No	No
Bromoxynil (ug/L)	10-Mar-25	<MDL 0.33	<MDL 0.33	5.0	No	No
Carbaryl (ug/L)	10-Mar-25	<MDL 0.05	<MDL 0.05	90.0	No	No
Carbofuran (ug/L)	10-Mar-25	<MDL 0.01	<MDL 0.01	90.0	No	No
Carbon Tetrachloride (ug/L)	10-Mar-25	<MDL 0.17	<MDL 0.17	2.0	No	No
Chlorpyrifos (ug/L)	10-Mar-25	<MDL 0.02	<MDL 0.02	90.0	No	No
Diazinon (ug/L)	10-Mar-25	<MDL 0.02	<MDL 0.02	20.0	No	No
Dicamba (ug/L)	10-Mar-25	<MDL 0.20	<MDL 0.20	120.0	No	No
1,2-Dichlorobenzene (ug/L)	10-Mar-25	<MDL 0.41	<MDL 0.41	200.0	No	No
1,4-Dichlorobenzene (ug/L)	10-Mar-25	<MDL 0.36	<MDL 0.36	5.0	No	No
1,2-Dichloroethane (ug/L)	10-Mar-25	<MDL 0.35	<MDL 0.35	5.0	No	No
1,1-Dichloroethylene (ug/L)	10-Mar-25	<MDL 0.33	<MDL 0.33	14.0	No	No
Dichloromethane (Methylene Chloride) (ug/L)	10-Mar-25	<MDL 0.35	<MDL 0.35	50.0	No	No
2,4-Dichlorophenol (ug/L)	10-Mar-25	<MDL 0.15	<MDL 0.15	900.0	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)	10-Mar-25	<MDL 0.19	<MDL 0.19	100.0	No	No
Diclofop-methyl (ug/L)	10-Mar-25	<MDL 0.40	<MDL 0.40	9.0	No	No
Dimethoate (ug/L)	10-Mar-25	<MDL 0.06	<MDL 0.06	20.0	No	No
Diquat (ug/L)	10-Mar-25	<MDL 1	<MDL 1	70.0	No	No
Diuron (ug/L)	10-Mar-25	<MDL 0.03	<MDL 0.03	150.0	No	No
Glyphosate (ug/L)	10-Mar-25	<MDL 1	<MDL 1	280.0	No	No
Malathion (ug/L)	10-Mar-25	<MDL 0.02	<MDL 0.02	190.0	No	No
Metolachlor (ug/L)	10-Mar-25	<MDL 0.01	<MDL 0.01	50.0	No	No
Metribuzin (ug/L)	10-Mar-25	<MDL 0.02	<MDL 0.02	80.0	No	No
Monochlorobenzene (Chlorobenzene) (ug/L)	10-Mar-25	<MDL 0.3	<MDL 0.3	80.0	No	No
Paraquat (ug/L)	10-Mar-25	<MDL 1	<MDL 1	10.0	No	No
PCB (ug/L)	10-Mar-25	<MDL 0.04	<MDL 0.04	3.0	No	No
Pentachlorophenol (ug/L)	10-Mar-25	<MDL 0.15	<MDL 0.15	60.0	No	No
Phorate (ug/L)	10-Mar-25	<MDL 0.01	<MDL 0.01	2.0	No	No
Picloram (ug/L)	10-Mar-25	<MDL 1	<MDL 1	190.0	No	No
Prometryne (ug/L)	10-Mar-25	<MDL 0.03	<MDL 0.03	1.0	No	No
Simazine (ug/L)	10-Mar-25	<MDL 0.01	<MDL 0.01	10.0	No	No
Terbufos (ug/L)	10-Mar-25	<MDL 0.01	<MDL 0.01	1.0	No	No
Tetrachloroethylene (ug/L)	10-Mar-25	<MDL 0.35	<MDL 0.35	10.0	No	No
2,3,4,6-Tetrachlorophenol (ug/L)	10-Mar-25	<MDL 0.20	<MDL 0.20	100.0	No	No
Triallate (ug/L)	10-Mar-25	<MDL 0.01	<MDL 0.01	230.0	No	No
Trichloroethylene (ug/L)	10-Mar-25	<MDL 0.44	<MDL 0.44	5.0	No	No
2,4,6-Trichlorophenol (ug/L)	10-Mar-25	<MDL 0.25	<MDL 0.25	5.0	No	No

2-methyl-4-chlorophenoxyacetic acid (MCPA) (mg/L)	10-Mar-25	<MDL 0.00012	<MDL 0.00012	100.0	No	No
Trifluralin (ug/L)	10-Mar-25	<MDL 0.02	<MDL 0.02	45.0	No	No
Vinyl Chloride (ug/L)	10-Mar-25	<MDL 0.17	<MDL 0.17	1.0	No	No
<b>Distribution Water</b>						
HAA Total (ug/L) Annual Average-DW	2025	10.45		80	No	No
Trihalomethane: Total (ug/L) Annual Average-DW	2025	31.38		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 Township of Havelock-Belmont-Methuen 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 20 Completed Work Orders*

<b>WORK ORDER SUMMARY</b>	
Preventative/Weekly Maintenance Work Orders Completed	341
Operational Maintenance Work Orders Completed	19
Capital Maintenance Work Orders Completed	0

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

*Table 21 Major Expenses 2025*

<b>MAJOR EXPENSES 2025</b>
Hydrant Flow Testing
Hydrant Replacement
Well #3 Back-Up Full-time Operation
Turbidimeter Replacement

## 9 Quality and Environmental Management System

A Surveillance 1 Audit was conducted by Intertek SAI Global on July 3<sup>rd</sup>, 2025. The Township of Havelock-Belmont-Methuen’s Quality Management System conforms to the Drinking Water Quality Management Standard.

## 10 Water Taking and Transfer Data

Water Taking Data was submitted electronically on February 17<sup>th</sup>, 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 #P-300-1294150031.

▼ Post Approval Submission (PAS)

Service ID	Service Type	Version Number	Reference ID	Reporting Year	Description	Status	Due Date	Date Modified	Action
P-300-1294150031	PTTW	1.0	1000415767	2025	PTTW-Havelock Drinking Water Systems..	SUBMITTED			Select ▼

Figure 6 Submission for PTTW #P-300-1294150031