



415 Front Road North
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February 13, 2026

Antonietta Giofu
Director of Engineering & Public Works
Corporation of the Town of Amherstburg, P.O. Box 159
271 Sandwich St. S, Amherstburg, Ontario N9V 2Z3

Re: 2025 Annual Report and Annual Summary Report for the Amherstburg Drinking Water System

Dear Mrs Giofu:

Ontario's Drinking-Water Systems Regulation (O. Reg. 170/03), made under the *Safe Drinking Water Act in 2002*, requires that the owner of a drinking water system prepare an Annual Report and an Annual Summary Report of the operation of the system and the quality of its water.

Annual Report

The annual report must cover the period of January 1st to December 31st in a year and must be prepared not later than February 28th of the following year. Pursuant to the legislative requirements, enclosed for your records is the Annual Report for the Amherstburg Drinking Water System.

In accordance with Section 11 (6), the annual report must:

- (a) contain a brief description of the drinking-water system, including a list of water treatment chemicals used by the system during the period covered by the report;
- (b) summarize any reports made to the Ministry under subsection 18 (1) of the Act or section 16-4 of Schedule 16 during the period covered by the report;
- (c) summarize the results of tests required under the Regulation, or an approval or order, including an OWRA order, during the period covered by the report and, if tests required under this Regulation in respect of a parameter were not required during that period, summarize the most recent results of tests of that parameter;
- (d) describe any corrective actions taken under Schedule 17 or 18 during the period covered by the report;
- (e) describe any major expenses incurred during the period covered by the report to install, repair or replace required equipment; and
- (f) if the case of a large municipal residential system or a small municipal residential system, include a statement of where a report prepared under Schedule 22 will be available for inspection under subsection 12 (4) O. Reg. 170/03, s. 11 (6).
- (g) in the case of a large municipal residential system, small municipal residential system or non-municipal year-round residential system, specify the number of points sampled during the periods described in subsection 15.1-4 (2) or subsection 15.1-5 (5) of Schedule 15.1 to the Regulation, the number of samples taken, and the number of points where a sample exceeded the prescribed standard for lead during those periods.

In addition, Section 11 (7) gives the direction that a copy of an annual report for the system is given, without charge, to every person who requests a copy and be made available for inspection by any member of the public during normal business hours. The reports should be made available at the office of the municipality, or at a location that is accessible to the users of the water system.

Annual Summary Report

The annual summary report must cover the period of January 1st to December 31st in a year and must be prepared not later than March 31st of the following year. Pursuant to the legislative requirements, enclosed for your records is the Annual Summary for the Amherstburg Drinking Water System.

As required in *Schedule 22, Summary Reports for Municipalities*, the annual summary must:

- (2) (a) list the requirements of the Act, the regulations, the system's approval, drinking water works permit, municipal drinking water licence, and any orders applicable to the system that were not met at any time during the period covered by the report; and

(b) for each requirement referred to in clause (a) that was not met, specify the duration of the failure and the measures that were taken to correct the failure.
- (3) The report must also include the following information for the purpose of enabling the owner of the system to assess the capability of the system to meet existing and planned uses of the system:
 1. A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows.
 2. A comparison of the summary referred to in paragraph 1 to the rated capacity and flow rates approved in the system's approval, drinking water works permit or municipal drinking water licence, or if the system is receiving all of its water from another system under an agreement pursuant to subsection 5 (4), to the flow rates specified in the written agreement.

In addition, Section 12 (1) – 4 – gives the direction that a copy of the annual summary for the system is given, without charge, to every person who requests a copy and be made available for inspection by any member of the public during normal business hours. The reports should be made available at the office of the municipality, or at a location that is accessible to the users of the water system.

These reports were prepared by the Ontario Clean Water Agency on behalf of the Town of Amherstburg and are based on information kept on record at the Amherstburg Water Treatment Plant and the Amherstburg Distribution System. The reports cover the period January 1st to December 31st 2025.

Please note that any Provincial Officers Orders or non-compliance issues that you have received directly from the MECP should be reviewed. Where non-compliance with the Order or Issue is evident and it is not included in the attached Annual Summary Report, then we recommend that this information be added to the report.

After your review and inclusion of any additional information, this report is to be provided to the Council members representing the Town of Amherstburg before March 31, 2026.

Sincerely,

Liiban Mohamud
Process & Compliance Technician
Ontario Clean Water Agency

Amherstburg Drinking Water System Annual Report

Prepared by Ontario Clean Water Agency pursuant to Section 11 of O.Reg. 170/03

Drinking-Water System Number:	210000149
Drinking-Water System Name:	Amherstburg Drinking Water System
Drinking-Water System Owner:	Corporation of the Town of Amherstburg
Drinking-Water System Operating Authority:	Ontario Clean Water Agency (026-OA2) <i>Water Treatment Plant</i>
Drinking-Water System Operating Authority:	Amherstburg Public Works Department (026-OA1) <i>Water Distribution System</i>
Drinking-Water System Category:	Large municipal residential system
Period being reported:	January 1, 2025 to December 31, 2025

Complete if your Category is Large Municipal Residential or Small Municipal Residential

Does your Drinking-Water System serve more than 10,000 people?

Yes No

Is your annual report available to the public at no charge on a web site on the Internet?

Yes No

Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.

Amherstburg Water Treatment Plant, 415 Front Road North, Amherstburg, Ontario, N9V 2V5

Complete for all other Categories

Number of Designated Facilities served:

N/A

Did you provide a copy of your annual report to all Designated Facilities you serve?

N/A

Number of Interested Authorities you report to:

N/A

Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?

N/A

List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:

Drinking Water System Name	Drinking Water System Number
N/A	N/A

Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water?

N/A

Indicate how you notified system users that your annual report is available, and is free of charge.

Public Access/notice via the web

Describe your Drinking-Water System

Amherstburg Water Treatment Plant

A surface water treatment plant, rated capacity of 18,184 m³/day, consisting of:

An intake crib 155 meters into the Detroit River and connected through a 900mm pipe to the Low Lift Pumping Station.

A low lift pumping station equipped with wet well, three vertical turbine pumps, a coarse bar screen, an automatic traveling screen and two 50mm chlorine solution feed lines and a chlorine diffuser.

A solids-contact upflow clarifier with overflow chamber, chemical feed line, sludge blow off line, sludge scraper and recirculation system.

Four rapid sand filters with dual media of anthracite and silica sand including a backwash system.

A filter effluent clearwell with transfer conduit to the reservoir.

A 14,800 m³ underground storage reservoir.

A high lift pumping station equipped with three vertical turbine pumps, a chlorine solution feed line/diffuser and a filter backwash pump.

Amherstburg Water Distribution System

The distribution system contains one elevated water storage tank and approximately 296 kilometers of distribution water mains.

Emergency water interconnections exist with the Town of LaSalle and the Town of Essex.

List all water treatment chemicals used over this reporting period

Aluminum Sulphate	CAT-FLOC 8103 Plus
Powdered Activated Carbon	Chlorine Gas
NORFLOC 122	Sodium Bisulphate
Sodium Hypochlorite	

Were any significant expenses incurred to?

- Install required equipment
- Repair required equipment
- Replace required equipment

Please provide a brief description and a breakdown of monetary expenses incurred

Installations	Expense
Water Treatment Plant	
Chlorine Monitoring Equipment	\$28,390.57
Instrumentation Cabling	\$14,139.25
Level Monitoring Equipment	\$12,382.56
Jetwash Flowmeter	\$11,277.04
SCADA Hardware	\$5,608.60
Sample Booster Pump	\$1,469.37
Inspection, Audits and Calibrations	Expense
Water Treatment Plant	
Filter Effluent Clearwell Inspection	\$38,018.94
DWQMS Accreditation Audit	\$3,984.57
Lifting Device Inspection	\$3,840.00

Intake Pipe Inspection	\$2,544.00
Heaters Inspection	\$2,263.15
Electrical Safety Authority Inspection	\$1,544.72
Instrumentation Calibration	\$1,495.87
Diesel Generator Inspection	\$1,032.01
Monorail Crane Inspection	\$1,017.60
Water Distribution & Supply	
Equipment Inspection	\$2,296.22
DWQMS Accreditation	\$1,921.00
Repairs	Expense
Water Treatment Plant	
Doors, Hatches, Grating, Brackets	\$22,309.86
Chlorine System	\$15,201.53
Low Lift Roof	\$6,102.55
Monorail Hoist	\$4,595.27
Mainwash Check Valve	\$3,916.34
Heaters	\$2,862.51
Air Dryer	\$1,887.82
Compressor	\$1,275.15
Water Distribution & Supply	
Water Meters	\$85,247.78
Water Mains	\$62,348.16
Vehicles	\$26,983.31
Valves	\$17,286.30
Water Hydrants	\$16,264.40
Blowoff Hydrants	\$4,668.94
Backflow Preventers	\$892.36
Sample Stations	\$169.88
Replacements	Expense
Water Treatment Plant	
Low Lift Pump #1	\$157,335.13
Valves	\$21,935.39
Heaters	\$16,771.07
Chlorine Analyzer	\$11,472.42
Carbon Hopper Valve	\$6,807.74
Chemical Pump	\$6,208.11
Heater Drains	\$2,074.89
Storage Cabinets	\$2,066.27
Chlorine System Equipment	\$1,824.93

Chemical Pump Equipment	\$1,201.79
Hoses	\$1,106.64
Pressure Regulators	\$1,069.49
Water Distribution & Supply	
Water Meters	\$300,000.00
Vehicles	\$57,367.00
Water Mains	\$38,610.00
Water Hydrants	\$18,000.00
Valves	\$7,200.00
Sample Stations	\$4,892.30
Engineering Services	Expense
Water Treatment Plant	
Hazardous Location Classification	\$18,584.23
Water Distribution & Supply	
Form 1 and others	\$5,952.38

Drinking Water System Highlights

The Ministry of the Environment, Conservation and Parks (MECP) conducted an inspection on August 20, 2025. The final inspection rating was 100%.

Intertek SAI Global conducted an on-site re-accreditation audit on September 9, 2025. The objective of the audit was to determine whether the drinking water Quality Management System (QMS) of the Amherstburg Water Treatment Plant conforms to the requirements of the Ontario Ministry of the Environment, Conservation and Parks (MECP) Drinking Water Quality Management Standard (DWQMS V2). The audit was also intended to gather the information necessary for Intertek SAI Global to assess whether accreditation can continue or be offered or to the operating authority. Continued accreditation for the Water Treatment Plant was achieved.

NSF international conducted an off-site surveillance audit on March 6, 2025. The objective of the audit was to determine whether the drinking water Quality Management System (QMS) of the Amherstburg Water Distribution System conforms to the requirements of the Ontario Ministry of the Environment, Conservation and Parks (MECP) Drinking Water Quality Management Standard (DWQMS V2). Continued accreditation for the Distribution System was achieved.

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Incident Date	Location	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
February 10, 2025	Distribution System, Watermain Break - 4250 Cty Rd 8, Amherstburg ON	Other - Low Pressure due to 12" main break	0	PSI	Re-sample and test, disinfection restored/increased, mains/pipes flushed, signs	February 14, 2025
May 2, 2025	Distribution System – East end of Ducharme Lane (New Construction)	Low Distribution Chlorine – Free	0.03	mg/L	Disinfection restored/Increased, mains/pipes flushed	May 2, 2025

Microbiological testing done under Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period

	No. of Samples Collected for period being reported	Range of E.Coli Or Fecal Results		Range of Total Coliform		Numberf HPC Samples	Range of HPC Results	
		Min #	Max#	Min #	Max #		Min #	Max #
Raw Water	52	100	1000	100	21000	0		
Treated Water	52	0	0	0	0	52	10	20
Distribution Water	468	0	0	0	0	208	10	30

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report

Parameter & Location	No. of Samples Collected for period being reported	Range of Results		
		Minimum	Average	Maximum
Turbidity; On-Line (NTU)- RW	8760	0.84	15.91	280.66
Turbidity; In-House (NTU)- RW	365	2.20	16.68	132.50
Turbidity; On-Line (NTU)- TW	8760	0.01	0.03	0.19
Turbidity; In-House (NTU)- TW	365	0.01	0.02	0.45
Turbidity; On-Line (NTU)- Filt1	8760	0.01	0.02	0.69
Turbidity; On-Line (NTU)- Filt2	8760	0.02	0.02	0.84
Turbidity; On-Line (NTU)- Filt3	8760	0.01	0.02	0.29
Turbidity; On-Line (NTU)- Filt4	8760	0.01	0.02	0.69
pH; On-Line - RW	8760	5.83	7.90	8.85
pH; In-House - RW	365	7.07	7.97	8.99
Temperature; On-Line – RW	8760	1.40	8.03	19.7
Temperature; In-House - RW	365	0.80	12.62	26.90
pH; On-Line – TW	8760	6.70	7.35	7.92
pH; In-House - TW	365	6.22	7.04	7.80
Temperature; On-Line – TW	8760	2.38	15.68	26.49
pH; On-Line – Res	8760	6.41	7.08	7.90
Temperature; On-Line - Res	8760	2.38	15.78	26.88
Temperature; In-House - TW	365	1.30	12.42	26.60
Total Chlorine Residual; On-Line (mg/L) – Zebra	8760	0.00	0.35	0.87
Total Chlorine Residual; In-House (mg/L) – Zebra	365	0.19	0.40	0.57
Free Chlorine Residual; On-Line (mg/L)- PreD	8760	0.81	1.40	1.77
Free Chlorine Residual; On-Line (mg/L)- Res	8760	0.79	1.21	1.58
Free Chlorine Residual; On-Line (mg/L)- TW	8760	0.87	1.20	1.56
Total Chlorine Residual; In-House (mg/L)- TW	365	1.12	1.40	1.69
Aluminum Residual; In-House (mg/L) - TW	365	0.01	0.07	0.21

Free Chlorine Residual; TW Field (mg/L) Lab Upload-	21	1.13	1.21	1.30
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SCADA integration of online analyzers was completed in 2025.

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.

Date of legal instrument issued	Location & Parameter	Date Sampled	Result	Unit of Measure
License Number 026-101 Issue Number 7 September 23, 2025 Environmental Discharge	Filter Backwash Suspended Solids	Jan-06-2025	5190	mg/L
	Free Chlorine		0.07	
	Clarifier Discharge Suspended Solids	Jan-06-2025	11700	
	Free Chlorine		0.03	
	Filter Backwash Suspended Solids	Feb-03-2025	1100	
	Free Chlorine		0.11	
	Clarifier Discharge Suspended Solids	Feb-03-2025	1580	
	Free Chlorine		0.06	
	Filter Backwash Suspended Solids	Mar-05-2025	97	
	Free Chlorine		0.74	
	Clarifier Discharge Suspended Solids	Mar-05-2025	444	
	Free Chlorine		0.05	
	Filter Backwash Suspended Solids	Apr-03-2025	166	
	Free Chlorine		0.35	
	Clarifier Discharge Suspended Solids	Apr-03-2025	2650	
	Free Chlorine		0.03	
	Filter Backwash Suspended Solids	May-06-2025	629	
	Free Chlorine		0.03	
	Clarifier Discharge Suspended Solids	May-06-2025	1810	
	Free Chlorine		0.03	
Filter Backwash Suspended Solids	June-02-2025	3490		
Free Chlorine		0.04		
Clarifier Discharge Suspended Solids	June-02-2025	4930		
Free Chlorine		0.03		
Filter Backwash Suspended Solids	July-10-2025	600		
Free Chlorine		0.03		

	Clarifier Discharge			
	Suspended Solids			2880
	Free Chlorine			0.03
	Filter Backwash			
	Suspended Solids	Aug-05-2025		1120
	Free Chlorine			0.03
	Clarifier Discharge			
	Suspended Solids			3130
	Free Chlorine			0.03
	Filter Backwash			
	Suspended Solids	Sept-02-2025		1020
	Free Chlorine			0.03
	Clarifier Discharge			
	Suspended Solids			3400
Free Chlorine			0.03	
Filter Backwash				
Suspended Solids	Oct-07-2025		1650	
Free Chlorine			0.05	
Clarifier Discharge				
Suspended Solids			2040	
Free Chlorine			0.05	
Filter Backwash				
Suspended Solids	Nov-05-2025		2010	
Free Chlorine			0.04	
Clarifier Discharge				
Suspended Solids			3810	
Free Chlorine			0.07	
Filter Backwash				
Suspended Solids	Dec-01-2025		938	
Free Chlorine			0.12	
Clarifier Discharge				
Suspended Solids			300	
Free Chlorine			0.10	

An application for regulatory relief regarding residual management was submitted to the MECP in 2025. The discharge and reporting requirement for residual management shall be met on or before January 31, 2028. The residual management facility is under preliminary design.

Date of legal instrument issued	Location	Date Sampled	Result	Unit of Measure
License Number 026-101 Issue Number 7 September 23, 2025 Microcystin	Raw Water	May-31-2025	<0.15	µg/l
		June-07-25	<0.15	
		June-14-25	<0.15	
		June-21-25	<0.15	
		June-28-25	<0.15	
		July-05-25	<0.15	
		July-12-25	<0.15	
		July-19-25	<0.15	

		July-26-25	0.16	
		August-02-25	0.78	
		August-09-25	0.43	
		August-16-25	<0.15	
		August-23-25	0.16	
		August-30-25	0.17	
		September-06-25	<0.15	
		September-13-25	<0.15	
		September-20-25	<0.15	
		September-27-25	<0.15	
		October-04-25	<0.15	
		October-11-25	<0.15	
		October-18-25	<0.15	
		October-25-25	<0.15	
	Treated Water	June-02-25	<0.15	µg/l
		June-09-25	<0.15	
		June-16-25	<0.15	
		June-23-25	<0.15	
		June-30-25	<0.15	
		July-07-25	<0.15	
		July-14-25	<0.15	
		July-21-25	<0.15	
		July-28-25	<0.15	
		August-05-25	<0.15	
		August-11-25	<0.15	
August-18-25	<0.15			
August-25-25	<0.15			
September-02-25	<0.15			
September-08-25	<0.15			
September-15-25	<0.15			
September-22-25	<0.15			
September-29-25	<0.15			
October-06-25	<0.15			
October-13-25	<0.15			
October-20-25	<0.15			
October-27-25	<0.15			

Please note that any drinking water sample (collected from the treated water or distribution system) that exceeds 0.0015 mg/L Total Microcystin will be reported as a provisional Adverse Water Quality Incident by the laboratory performing the analysis in accordance with conditions in their testing licence.

Date of legal instrument issued	Daily Filtration Performance Summary		
License Number 026-101	Filter #	Range of Results	Criteria

Issue Number 7 September 23, 2025		Min	Average	Max	95%
	1	99.94	99.99	100	
	2	99	99.99	100	
	3	99.5	99.99	100	
	4	98.7	99.98	100	

If an evaluation of daily filtrate turbidity performance indicates performance for a filter does not meet the percentage criterion specified in Schedule E, the owner shall ensure that: a) Appropriate action is taken to identify the cause(s) and resolve where necessary. b) A record is created to describe the action(s) taken.

Reportable Incidents				
Date	Filter #	Performance	Reason	Corrective Actions
None				

Date of legal instrument issued	Monthly Filtration Performance Summary					
	Monthly	Filter #	Range of Results			Criteria
			Min	Average	Max	
License Number 026-101 Issue Number 7 September 23, 2025	Jan	1	99.98	99.99	100	95 %
		2	100	100	100	
		3	99.96	99.99	100	
		4	100	100	100	
	February	1	99.97	99.99	100	
		2	100	100	100	
		3	100	100	100	
		4	99.97	99.99	100	
	March	1	100	100	100	
		2	100	100	100	
		3	99.8	99.98	100	
		4	98.7	99.89	100	
	April	1	100	100	100	
		2	99.92	99.99	100	
		3	99.99	99.99	100	
		4	99.67	99.97	100	
	May	1	100	100	100	
		2	99.96	99.99	100	
		3	100	100	100	
		4	100	100	100	
	June	1	99.94	99.99	100	
		2	99.89	99.99	100	
		3	99.71	99.98	100	
		4	99.59	99.97	100	
	July	1	100	100	100	
		2	100	100	100	
		3	99.63	99.98	100	
		4	100	100	100	
	August	1	99.99	99.99	99.99	

		2	99.99	99.99	99.99
		3	100	100	100
		4	99.92	99.99	99.92
		1	99.97	99.99	100
	September	2	100	100	100
		3	99.5	99.97	100
		4	100	100	100
		1	100	100	100
	October	2	99.8	99.98	100
		3	99.97	99.99	100
		4	100	100	100
		1	99.98	99.99	100
	November	2	99.97	99.99	100
		3	100	100	100
		4	100	100	100
		1	100	100	100
December	2	99	99.94	100	
	3	99.95	99.99	100	
	4	99.1	99.95	100	

If an evaluation of monthly filtrate turbidity performance indicates performance for a filter does not meet the percent criterion specified in Schedule E, an adverse water quality report shall be made as per Schedule 16-4 of O. Reg. 170/03 immediately after the evaluation is conducted.

Reportable Incidents

Date	Month	Filter #	Performance	Reason	Corrective Actions
None					

Summary of Inorganic parameters tested during this reporting period or the most recent sample results

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	½ MAC
Antimony: Sb (ug/L) - TW	2025/07/24	<MDL 0.6	6.0	No	No
Arsenic: As (ug/L) - TW	2025/07/24	0.30	10.0	No	No
Barium: Ba (ug/L) - TW	2025/07/24	14.1	1000.0	No	No
Boron: B (ug/L) - TW	2025/07/24	14.0	5000.0	No	No
Cadmium: Cd (ug/L) - TW	2025/07/24	0.003	5.0	No	No
Chromium: Cr (ug/L) - TW	2025/07/24	0.21	50.0	No	No
Mercury: Hg (ug/L) - TW	2025/07/24	<MDL 0.01	1.0	No	No
Selenium: Se (ug/L) - TW	2025/07/24	0.11	50.0	No	No
Uranium: U (ug/L) - TW	2025/07/24	0.011	20.0	No	No

Additional Inorganics	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	½ MAC
Fluoride (mg/L) - TW	2025/07/24	<MDL 0.06	1.5	No	No
Nitrite (mg/L) - TW	2025/01/14	1.17	10.0	No	No

Nitrite (mg/L) - TW	2025/04/01	1.68	10.0	No	No
Nitrite (mg/L) - TW	2025/07/08	0.242	10.0	No	No
Nitrite (mg/L) - TW	2025/10/07	0.172	10.0	No	No
Nitrate (mg/L) - TW	2025/01/14	<MDL 0.003	1.0	No	No
Nitrate (mg/L) - TW	2025/04/01	< MDL 0.003	1.0	No	No
Nitrate (mg/L) - TW	2025/07/08	< MDL 0.003	1.0	No	No
Nitrate (mg/L) - TW	2025/10/07	< MDL 0.003	1.0	No	No
Sodium/ Na (mg/L) - TW	2025/07/04	6.98	20*	No	No

*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.

Summary of lead testing under Schedule 15.1 during this reporting period

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

Location Type	Number of Samples	Range of Results		MAC	No. Exceeded
		Min	Max		
Distribution Water - Lead Results	1	0.12	0.12	10	0
Distribution Water - Alkalinity	8	61	68	N/A	N/A
Distribution Water – pH Field	8	6.83	7.17	N/A	N/A

Summary of Organic parameters sampled during this reporting period or the most recent sample results

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	½ MAC
1,1-Dichloroethylene (ug/L)-TW	2025/07/24	< MDL 0.33	14	No	No
1,2-Dichlorobenzene (ug/L)-TW	2025/07/24	< MDL 0.41	200	No	No
1,2-Dichloroethane (ug/L)-TW	2025/07/24	< MDL 0.35	5	No	No
1,4-Dichlorobenzene (ug/L)-TW	2025/07/24	< MDL 0.36	5	No	No
2,3,4,6-Tetrachlorophenol (ug/L)-TW	2025/07/24	< MDL 0.2	100	No	No
2,4,6-Trichlorophenol (ug/L)-TW	2025/07/24	< MDL 0.25	5	No	No
2,4-Dichlorophenol (ug/L)-TW	2025/07/24	< MDL 0.15	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW	2025/07/24	< MDL 0.19	100	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW	2025/07/24	< MDL 0.12	100	No	No
Alachlor (ug/L) -TW	2025/07/24	< MDL 0.02	5	No	No
Atrazine + N-dealkylated metabolites (ug/L)-TW	2025/07/24	0.01	5	No	No
Azinphos-methyl (ug/L)-TW	2025/07/24	< MDL 0.05	20	No	No
Benzene (ug/L)-TW	2025/07/24	< MDL 0.32	1	No	No
Benzo(a)pyrene (ug/L)-TW	2025/07/24	< MDL 0.004	0.01	No	No
Bromoxynil (ug/L)-TW	2025/07/24	< MDL 0.33	5	No	No
Carbaryl (ug/L)-TW	2025/07/24	< MDL 0.05	90	No	No
Carbofuran (ug/L) -TW	2025/07/24	< MDL 0.01	90	No	No
Carbon Tetrachloride (ug/L) -TW	2025/07/24	< MDL 0.17	2	No	No

Chlorpyrifos (ug/L) -TW	2025/07/24	< MDL 0.02	90	No	No
Diazinon (ug/L)-TW	2025/07/24	< MDL 0.02	20	No	No
Dicamba (ug/L)-TW	2025/07/24	< MDL 0.2	120	No	No
Dichloromethane (Methylene Chloride) (ug/L)-TW	2025/07/24	< MDL 0.35	50	No	No
Diclofop-methyl (ug/L)-TW	2025/07/24	< MDL 0.4	9	No	No
Dimethoate (ug/L)-TW	2025/07/24	< MDL 0.06	20	No	No
Diquat (ug/L)-TW	2025/07/24	< MDL 1	70	No	No
Diuron (ug/L)-TW	2025/07/24	< MDL 0.03	150	No	No
Glyphosate (ug/L)-TW	2025/07/24	< MDL 1	280	No	No
Malathion (ug/L)-TW	2025/07/24	< MDL 0.02	190	No	No
Metolachlor (ug/L)-TW	2025/07/24	0.01	50	No	No
Metribuzin (ug/L)-TW	2025/07/24	< MDL 0.02	80	No	No
Monochlorobenzene (Chlorobenzene) (ug/L)-TW	2025/07/24	< MDL 0.3	80	No	No
Paraquat (ug/L)-TW	2025/07/24	< MDL 1	10	No	No
PCB (ug/L)-TW	2025/07/24	< MDL 0.04	3	No	No
Pentachlorophenol (ug/L)-TW	2025/07/24	< MDL 0.15	60	No	No
Phorate (ug/L)-TW	2025/07/24	< MDL 0.01	2	No	No
Picloram (ug/L)-TW	2025/07/24	< MDL 1	190	No	No
Prometryne (ug/L)-TW	2025/07/24	< MDL 0.03	1	No	No
Simazine (ug/L)-TW	2025/07/24	< MDL 0.01	10	No	No
Terbufos (ug/L)-TW	2025/07/24	< MDL 0.01	1	No	No
Tetrachloroethylene (ug/L)-TW	2025/07/24	< MDL 0.35	10	No	No
Triallate (ug/L) –TW	2025/07/24	< MDL 0.01	230	No	No
Trichloroethylene (ug/L)-TW	2025/07/24	< MDL 0.44	5	No	No
Trifluralin (ug/L)-TW	2025/07/24	< MDL 0.02	45	No	No
Vinyl Chloride (ug/L)-TW	2025/07/24	< MDL 0.17	1	No	No
Distribution Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	½ MAC
HAA Total (ug/L) Annual Average-DW	2025/01/01	9.55	80	No	No
Trihalomethane: Total (ug/L) Annual Average-DW	2025/01/01	23.75	100	No	No

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

Parameter	Result Value	Unit of Measure	Date of Sample
None			

Amherstburg Drinking Water System Annual Summary Report

Prepared by Ontario Clean Water Agency pursuant to Schedule 22 of O.Reg. 170/03

This report is a summary of water quality information for the Amherstburg Drinking Water System, published in accordance with Schedule 22 of Ontario’s Drinking-Water Systems Regulation for the reporting period of January 1, 2025 to December 31, 2025. The Amherstburg Drinking Water System is categorized as a Large Municipal Residential Drinking Water System.

The following tables detail adverse water quality incidents, non-compliances with the Safe Drinking Water Act, Regulation 170/03, PTTW, MDWL and the DWWP during the reporting period for the Amherstburg WTP.

Adverse Water Quality Incidents (AWQI’s)						
Date	AWQI #	Location	Parameter	Details	Legislation	Corrective Action
February 10, 2025	167356	Distribution System	Other - Low Pressure due to 12" main break	0 PSI, Wirecomm directional drilled into a 12" watermain located at 4250 Cty Rd 8, Amherstburg ON. This caused low water pressure to our northeast consumers in the distribution system.	Safe Drinking Water Act: O. Reg. 170/03	Re-sample and test, disinfection restored/increased, mains/pipes flushed, signs posted, boil water advisory
May 2, 2025	168085	Distribution System	Low Distribution Chlorine – Free Chlorine	0.03 mg/L, While routine flushing a low free chlorine residual of 0.03 was taken at the East end blow-off which is a fire hydrant.	Safe Drinking Water Act: O. Reg. 170/03	Disinfection restored/increased, mains/pipes flushed

Two adverse water quality incidents (AWQI’s) occurred during the reporting year.

Non-Compliance(s)			
Drinking Water Legislation	Requirement(s) the system failed to meet	Corrective Action	Status
None			

There were no non-compliances during the reporting year.

Best Management Practices (BMP’s)		
Observation	Corrective Action	Status
None		

There were no recommendations applicable during the reporting year.

Flows				
Source	Requirement	Rated Capacity	Maximum Flow Rate	Date
Raw Water	Permit to Take Water (#4844-AY7KHA)	22,900,000 L/d	14,796,000 L/d	July 6, 2025
		15,903 L/min	14,897.00 L/min	April 15, 2025
Treated Water	Municipal Drinking Water Licence (#026-101)	18,184 m ³ /d	14,048 m ³ /d	July 6, 2025

Raw water and treated water flows did not exceed the legislative requirement. The treated flow was 77.25% of the rated capacity for the reporting period. A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows follows.

Flow Summary

Drinking-Water System Number: 210000149
Drinking-Water System Name: Amherstburg Drinking Water System
Drinking-Water System Owner: Municipality
Drinking-Water System Category: Large Municipal Residential
Municipal Drinking Water License: 026-101
Period being reported: January 2025 to December 2025

Raw Water						Treated Water		
Month	Monthly Flow Total (m ³)	Daily Flow Average (m ³)	Daily Flow Maximum (m ³)	Daily Peak Flow Rate (L/min)	Number of Days of Water Taking	Monthly Flow Total (m ³)	Daily Flow Average (m ³)	Daily Flow Maximum (m ³)
Jan	284,260.00	9,169.68	10,792.00	7,900.00	31	250,072.00	8,066.84	9,248.00
Feb	250,143.00	8,933.68	10,038.00	8,850.00	28	219,403.00	7,835.82	9,294.00
Mar	271,633.00	8,762.35	10,482.00	7,584.00	31	240,151.00	7,746.81	8,771.00
Apr	279,602.00	9,320.07	10,993.00	14,897.00	30	254,120.00	8,470.67	9,527.00
May	317,506.00	10,242.13	11,936.00	14,450.00	31	296,034.00	9,549.48	11,108.00
Jun	348,129.00	11,604.30	13,886.00	11,384.00	30	326,258.00	10,875.27	12,690.00
Jul	394,549.00	12,727.39	14,796.00	12,454.00	31	373,101.00	12,035.52	14,048.00
Aug	381,501.00	12,306.48	14,405.00	14,087.00	31	361,671.00	11,666.81	13,901.00
Sep	342,349.87	11,411.66	13,363.00	14,370.00	30	322,328.94	10,744.30	12,593.00
Oct	309,469.31	9,982.88	12,282.00	13,163.00	31	286,299.97	9,235.48	11,146.00
Nov	257,865.50	8,595.52	9,560.00	12,940.00	30	226,468.80	7,548.96	8,686.28
Dec	276,954.38	8,934.01	9,663.00	13,344.00	31	234,870.93	7,576.48	7,979.00
Total	3,713,962.06	121,990.15	142,196.00	145,423.00	365	3,390,778.64	111,352.43	128,991.28
Avg	309,496.84	10,165.85	11,849.67	8,495.43	31	282,564.89	9,279.37	10,749.27
Max	394,549.00	12,727.39	14,796.00	14,897.00	31	373,101.00	12,035.52	14,048.00
Criteria			22,900.00	15,903.00				18,184.00

Revision History			
Date	Revision #	Description	Revision By
Feb 13, 2026	0	Report Issued	Liiban Mohamud, PCT