



Annual Summary Report February 20, 2025

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

Dear Mrs. Giofu:

Re: Safe Drinking Water Act. O. Reg. 170/03 Schedule 22 Summary Report

Enclosed is the 2024 Summary Report for the Amherstburg Water Treatment Plant. This report has been completed based on the information obtained from the water treatment plant records and in accordance with Schedule 22 of O. Reg. 170/03, under the Safe Drinking Water Act, which requires a Summary Report to be prepared not later than March 31st of each year for the preceding calendar year. This report covers the period of January 1, 2024 to December 31, 2024.

Please remember that any Orders that you have received directly from the MECP should be reviewed. Where non-compliance with the Order is evident and it is not included in the attached Summary Report, then we recommend that this information be added to the Summary Report. Note: Schedule 22-2 (a) specifies that the summary report is given to, in the case of a drinking water system owned by a municipality, the members of the municipal council for the Town of Amherstburg, and is not intended for distribution to the Ministry of the Environment.

After your review and inclusion of any additional information, this Summary Report is to be provided to the members of the municipal council.

Section 12 of O. Reg. 170/03, requires the Summary Report be made available for inspection by any member of the public during normal business hours, without charge. The report should be made available for inspection at the office of the municipality, or at a location that is reasonably convenient to the users of the water system.

Please find enclosed report. If you have any questions, please feel free to contact Senior Operations Manager, Dan Rawlins or myself at (519) 613-5542.

Sincerely,

Liiban Mohamud
Process & Compliance Technician
Ontario Clean Water Agency

cc: Dwayne Grondin, Manager of Environmental Services, Town of Amherstburg
Dave Jubenville, Regional Manager, OCWA
Dan Rawlins, Senior Operations Manager, OCWA
Terry Korman, Senior Operations Manager, OCWA
Anusha Pillai, Safety Process and Compliance Manager, OCWA

This report is a summary of water quality information for the Amherstburg WTP, published in accordance with Schedule 22 of Ontario's Drinking-Water Systems Regulation for the reporting period of January 1, 2024 to December 31, 2024. The Amherstburg WTP is categorized as a Large Municipal Residential Drinking Water System.

This report was prepared by The Ontario Clean Water Agency on behalf of The Corporation of the Town of Amherstburg.

The report must,

- (a) list the requirements of the Act, the regulations, the system's approval and any order that the system failed to meet at any time during the period covered by the report and specify the duration of the failure; and
- (b) for each failure referred to in clause (a), describe the measures that were taken to correct the failure.

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.

Table 1: Adverse Water Quality Incidents

Date	AWQI#	Location	Parameter	Details	Legislation	Corrective Action
January 16, 2024	164351	Distribution	Total Coliform	53 cfu 100/mL detected	Safe Drinking Water Act: O. Reg. 170/03	Resample, Resolved January 19, 2024
October 3, 2024	166551	Treated Water	Clostridium perfringens	1 cfu/L detected	Safe Drinking Water Act: O. Reg. 170/03	Resample, Resolved October 7, 2024

Table 2: Non-compliance

Drinking Water Legislation	Requirement(s) the system failed to meet	Measures taken to correct the failure	Status (complete or outstanding)
SDWA O. Reg. 170/03 17-6	Corrective actions per Schedule 17 of O. Reg. 170/03, including any other steps that were directed by the Medical Officer of Health, were not taken to address adverse conditions	There was a total coliform result of 53 cfu/100ml in January 2024 where the required corrective actions were not taken. The local health unit advised the operating authority to only resample from one location instead of the required three locations. As per Schedule 17-6 of Schedule 17, of O. Reg. 170/03, if a report is required to be made under section 18 of the Safe Drinking Water Act in respect of total coliforms, the owner of the drinking water system and the operating authority for the system shall ensure that they resample and test as soon as reasonably possible by sampling the location of the original adverse and upstream and downstream of that location	Complete
SDWA 31 (1)	The owner did not have evidence that the required notifications from the Municipal Drinking Water Licence and Drinking Water Works Permit to all legal owners associated with the drinking water system were made.	The owner shall notify all legal owners associated with the drinking water system (e.g., developers that own subdivisions that have not yet been transferred to the municipality) of the requirements of the Municipal Drinking Water Licence and Drinking Water Works Permit as noted in Condition 2.7 of Schedule B of the DWWP. Compliance with this requirement will be assessed at the next inspection. The owner indicated that for future developments, the MDWL & DWWP requirements will be discussed at the preconstruction meeting.	Complete

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 and daily instantaneous peak flow rates.

Please find below on page 3, the quantities and flow rates of the water withdrawn from the Detroit River and treated/distributed from the Amherstburg WTP during the reporting period.

2. A comparison of the summary referred to in paragraph 1 to the rated capacity and flow rates approved in the system's approval.

By comparison found in table 3, the raw water and treated water flows did not exceed the legislative requirement. The treated flow was 77.10% of the rated capacity for the reporting period.

Table 3: Flows

Flow	Requirement	Rated Capacity	Maximum Flow Rate Obtained	Date of the Maximum Flow
Raw Flow	Permit to Take Water (#4844-AY7KHA)	22,900,000 L/d	16,484,000 L/d	June 17, 2024
		15,903 L/min	12,703 L/min	June 17, 2024
Treated Flow	MDWL #026-101	18,184 m3/d	14,021 m3/d	June 15, 2024

Facility 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-24 December-24

Month	<u>Raw Water</u>					<u>Treated Water</u>		
	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak Flow Rate (L/min)	Number of Days of Water Taking	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)
Jan	268550.00	8662.90	9576.00	6726.00	31	242250.00	7814.52	8740.00
Feb	254312.00	8769.38	9478.00	6582.00	29	227766.00	7854.00	8564.00
Mar	271102.00	8745.23	9756.00	7046.00	31	244175.00	7876.61	9219.00
Apr	273027.00	9100.90	9930.00	9738.00	30	253357.00	8445.23	9900.00
May	325712.00	10506.84	13978.00	10414.00	31	307471.00	9918.42	12807.00
Jun	361640.00	12054.67	16484.00	12703.00	30	343031.00	11434.37	14021.00
Jul	372462.00	12014.90	13696.00	9890.00	31	354283.00	11428.48	13284.00
Aug	336298.00	10848.32	12710.00	10495.00	31	319338.00	10301.23	11968.00
Sep	313408.00	10446.93	12378.00	10295.00	30	298516.00	9950.53	11495.00
Oct	287215.00	9265.00	10920.00	11679.00	31	266349.00	8591.90	10059.00
Nov	268485.00	8949.50	10810.00	7782.00	30	233664.00	7788.80	9296.00
Dec	295926.00	9546.00	11594.00	8870.00	31	251093.00	8099.77	9056.00
Total	3628137.00	118910.57	141310.00	112220.00	366	3341293.00	109503.87	128409.00
Avg	302344.75	9909.21	11775.83	9351.67	31	278441.08	9125.32	10700.75
Max	372462.00	12054.67	16484.00	12703.00	31	251093.00	11434.37	14021.00

Report Submitted By: Liiban Mohamud
Process & Compliance Technician
Amherstburg/LaSalle Cluster (Essex Region)
Ontario Clean Water Agency

Signature: _____ **Date** February 20, 2025

Received By: Antionietta Giofu

Signature *A Giofu* **Date** March 28, 2025

Confirmed By Resolution of Council:

Signature _____ **Date** _____