



Annual Summary Report

February 11, 2016

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

Attached is the 2015 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, 2015 to December 31, 2015.

Please remember that any Orders that you have received directly from the MOE should be reviewed. Where non-compliance with the Order is evident and it is not included in the attached 2015 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. Please ensure this distribution.

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 Operations Manager, Dan Rawlins or myself at (519) 736-5447.

Sincerely,

A handwritten signature in black ink, appearing to read "Dan Mitchell".

Dan Mitchell
Process & Compliance Technician
Amherstburg/LaSalle Cluster (Essex Region)
Ontario Clean Water Agency

ANNUAL SUMMARY REPORT FOR THE AMHERSTBURG WTP

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, 2015 to December 31, 2015. 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.

Table 1 lists the non-compliance with the Safe Drinking Water Act, Regulation 170/03, PTTW, MDWL and DWWP during 2015 for the Amherstburg WTP.

Table 1

Drinking Water Legislation	Requirement(s) the system failed to meet	Measures taken to correct the failure	Status (complete or outstanding)
Safe Drinking Water Act	March 17, 2015 – Use a chemical coagulant at all times	Chemical feed pumps were restored and plant process returned to normal	Complete
Ontario Regulation 170/03	September 23, 2015 – Microbiological weekly sampling for Total Coliform/E. Coli	Re-sample upstream, downstream and at sample station for two sets of samples. Health unit to issue Boil Water Advisory for Boblo Island only. Replaced all internal parts to sample station	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 #4, a copy of the quantities and flow rates of the water withdrawn from the Detroit River and treated/distributed from the Amherstburg WTP during 2015.

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 2, the raw water and treated water flows did not exceed the legislative requirement. The treated flow was 60% of the rated capacity for the reporting period.

Table 2

Flow	Requirement	Rated Capacity	Maximum Flow Rate Obtained	Date of the Maximum Flow
Raw Flow	Permit to Take Water (#3750-7FAHRN)	22,900,000 L/d	11,218,000 L/d	August, 2015
		15,903 L/min	9,211 L/min	September, 2015
Treated Flow	MDWL #026-101	18,184 m ³ /d	10,948 m ³ /d	August, 2015

Facility Flow Summary

Drinking-Water System Number: 210000149
 Drinking-Water System Name: AMHERSTBURG DRINKING WATER SYSTEM
 Drinking-Water System Owner: Title Holder: Municipality
 Drinking-Water System Category: Large Municipal Residential
 Municipal Drinking Water License: 026-101
 Period being reported: Jan-15 to Dec-15



Month	Raw Water						Treated Water		
	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	233231.00	7523.58	8709.00	7152.00	31	220283.00	7105.90	7842.00	
Feb	207955.00	7426.96	8153.00	5865.00	28	197599.00	7057.11	7747.00	
Mar	228137.00	7359.26	8160.00	5865.00	31	214689.00	6925.45	8801.00	
Apr	221584.00	7386.13	8481.00	6674.00	30	212305.00	7076.83	8235.00	
May	263379.00	8496.10	10404.00	8142.00	31	252139.00	8133.52	9609.00	
Jun	246284.00	8209.47	9711.00	7058.00	30	240708.00	8023.60	9597.00	
Jul	287781.00	9283.26	11086.00	7948.00	31	274551.00	8856.48	10370.00	
Aug	294351.00	9495.19	11218.00	8112.00	31	284943.00	9191.71	10948.00	
Sep	262507.00	8750.23	10788.00	9211.00	30	252550.00	8418.33	10111.00	
Oct	249516.00	8048.90	8894.00	6486.00	31	227438.00	7581.27	8995.00	
Nov	229851.00	7661.70	8797.00	6472.00	30	199441.11	6648.04	8223.00	
Dec	224363.00	7237.52	8011.00	7117.00	31	218465.00	7047.26	7795.00	
Total	2948939.00	96878.30	112412.00	86102.00	365	2795111.11	92065.50	108273.00	
Avg	245744.92	8073.19	9367.67	7175.17	30	232925.93	7672.13	9022.75	
Max	294351.00	9495.19	11218.00	9211.00	31	218465.00	9191.71	10948.00	

Report Submitted By: Dan Mitchell,
Process Compliance Technician,
Amherstburg/LaSalle Cluster (Essex Region),
Ontario Clean Water Agency

Signature  **Date** Feb. 17, 2016

Received By: Antonietta Giofu

Signature  **Date** Feb 17, 2016

Confirmed By Resolution of Council:

Signature _____ **Date** _____

