



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Annual Summary Report

March 10, 2017

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 2016 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, 2016 to December 31, 2016.

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 2016 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,

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, 2016 to December 31, 2016. 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 2016 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)
Ontario Regulation 170/03	December 8, 2016 – Test results recorded under paragraph 1 or 2 must be examined, within 72 hours after the tests are conducted,	An operators meeting will be scheduled by management to discuss the non-compliance issue and for all operators to be aware of the proper procedures in order to properly review, print and file filter effluent turbidity and chlorine residual data.	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 2016.

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 77% 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	13,410,000 L/d	June, 2016
		15,903 L/min	11,369.00 L/min	June, 2016
Treated Flow	MDWL #026-101	18,184 m ³ /d	13,951.00 m ³ /d	June, 2016

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-16 to Dec-16



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	209406.00	6755.03	7532.00	5453.00	31	202041.00	6517.45	7661.00		
Feb	194551.00	6708.66	7304.00	5388.00	29	188392.00	6496.28	7373.00		
Mar	215225.00	6942.74	8453.00	6248.00	31	208689.00	6731.90	7921.00		
Apr	212095.00	7069.83	8659.00	6915.00	30	208068.00	6935.60	8085.00		
May	257215.00	8297.26	12368.00	8625.00	31	250334.00	8075.29	11588.00		
Jun	316709.00	10556.97	13410.00	11369.00	30	314315.00	10477.17	13951.00		
Jul	307406.00	9916.32	11831.00	8700.00	31	298387.00	9625.39	12104.00		
Aug	282627.00	9117.00	13051.00	9898.00	31	278957.00	8998.61	11784.00		
Sep	241590.00	8053.00	9553.00	7022.00	30	236936.00	7897.87	10518.00		
Oct	225199.00	7264.48	9141.00	6464.00	31	219128.00	7068.65	8998.00		
Nov	213345.00	7111.50	7937.00	5877.00	30	206171.00	6872.37	7995.00		
Dec	224083.00	7228.48	8140.00	6027.00	31	215469.00	6950.61	8420.00		
Total	2899451.00	95021.28	117379.00	87986.00	366	2826887.00	92647.18	116398.00		
Avg	241620.92	7918.44	9781.58	7332.17	30	235573.92	7720.60	9699.83		
Max	316709.00	10556.97	13410.00	11369.00	31	215469.00	10477.17	13951.00		


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

Signature  **Date** March 27/2017

Received By: Antonietta Giofu

Signature  **Date** March 27, 2017

Confirmed By Resolution of Council:

Signature  **Date** April 21/17

