



Annual Summary Report
March 25, 2014

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 2013 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, 2013 to December 31, 2013.

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 2013 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 Mitchell or myself at (519) 736-5447.

Sincerely,

Dan Rawlins
Process & Compliance Technician
Amherstburg/LaSalle Cluster (Essex West Hub)
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, 2013 to December 31, 2013. 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 table lists the non-compliance with the Safe Drinking Water Act, Regulation 170/03, PTTW, MDWL and DWWP during 2013 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 O Reg. 170/03	November 11, 2013 - Filter turbidity greater than 1 NTU for 15.5 minutes	The filter was taken out of service after the operator discovered the incident.	complete
	July 12, 2013 - Total Coliform Count of 16 cfu/100 mL	Re-sampled at the location of the adverse as well as upstream and downstream to confirm quality of drinking water.	complete
Permit to Take Water (#3750-7FAHRN)	June 21, 2013 – exceeded maximum raw flow	Raw flow was reduced	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 attached a copy of the quantities and flow rates of the water withdrawn from the Detroit River and treated/distributed from the Amherstburg WTP during 2013.

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, the raw water and treated water flows did not exceed the legislative requirement. The treated flow was 66% 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	12,252,000 L/d	June 21, 2013
		15,903 L/min	18,013 L/min	June 21, 2013
Treated Flow	MDWL #026-101	18,184 m ³ /d	11,962 m ³ /d	May 19, 2013



Ontario Clean Water Agency
Monthly Process Data Report

Municipality: Town of Amherstburg formely (Twp of Malden, Twp of Anderdon, Town of Amherstburg)
 Facility: [5819] - Amherstburg Water Treatment Plant & Distribution System
 Works: [210000149] - Amherstburg Water Treatment Plant & Distribution System
 Classification: Class 2 Water Distribution, Class 3 Water Treatment
 Water Source: Detroit River

Period: 01/01/2013 to 12/31/2013
 Serviced Population: 20,599
 Total Design Capacity(m³/day): 18,184.0

W Rectangular Sump

	Jan/2013	Feb/2013	Mar/2013	Apr/2013	May/2013	Jun/2013	Jul/2013	Aug/2013	Sep/2013	Oct/2013	Nov/2013	Dec/2013	<-- Summary -->
Raw WaterFlows - Raw Water													
Raw Flow: Sum (m3/d)													
Avg	6,995.613	6,965.714	7,072.323	7,408.233	9,268.419	9,411.0	8,745.774	9,277.226	8,557.0	7,848.0	7,527.233	7,749.484	8,076.181
Max	7,483.0	7,738.0	7,598.0	8,733.0	12,128.0	12,252.0	10,246.0	10,676.0	9,725.0	8,887.0	10,486.0	8,673.0	12,252.0
Min	6,242.0	6,238.0	5,986.0	6,589.0	6,556.0	7,628.0	6,918.0	7,538.0	7,688.0	6,666.0	4,835.0	6,772.0	4,835.0
Sum	216,864.0	195,040.0	219,242.0	222,247.0	287,321.0	282,330.0	271,119.0	287,594.0	256,710.0	243,288.0	225,817.0	240,234.0	2,947,806.0
Raw Flow: Peak (L/min)													
Avg	5,180.419	5,162.107	5,161.452	5,442.767	6,966.613	7,361.967	6,817.323	6,958.355	6,530.933	5,767.0	5,832.233	5,952.742	6,099.992
Max	6,095.0	6,234.0	5,915.0	7,448.0	8,618.0	18,013.0	11,936.0	11,431.0	12,428.0	6,696.0	7,988.0	11,981.0	18,013.0
Min	4,491.0	4,745.0	4,265.0	4,739.0	4,975.0	5,443.0	5,678.0	5,009.0	5,464.0	5,162.0	4,850.0	4,861.0	4,265.0
Sum	160,593.0	144,539.0	160,005.0	163,283.0	215,965.0	220,859.0	211,337.0	215,709.0	195,928.0	178,777.0	174,967.0	184,535.0	2,226,497.0
Treated WaterFlows - Treated Water													
Treated Flow (m3/d)													
Avg	6,492.29	6,383.536	6,523.419	6,849.233	8,737.903	8,862.567	8,285.645	8,826.516	8,088.933	7,507.548	7,077.867	7,221.581	7,579.559
Max	7,218.0	6,977.0	7,192.0	8,061.0	11,962.0	10,309.0	9,420.0	10,280.0	9,089.0	8,445.0	7,749.0	7,924.0	11,962.0
Min	5,567.0	5,551.0	5,595.0	6,053.0	7,270.0	7,528.0	7,307.0	7,493.0	7,148.0	6,783.0	6,306.0	6,571.0	5,551.0
Sum	201,261.0	178,739.0	202,226.0	205,477.0	270,875.0	265,877.0	256,855.0	273,622.0	242,668.0	232,734.0	212,336.0	223,869.0	2,766,539.0

Report Submitted By: Dan Rawlins,
Process Compliance Technician,
Amherstburg/LaSalle Cluster,
Ontario Clean Water Agency

Signature _____ **Date** _____

Received By: _____

Signature _____ **Date** _____

Confirmed By Resolution of Council:

Signature _____ **Date** _____