



**Annual Summary Report**  
**March 31, 2013**

Lou Zarlenga  
Director of Engineering & Infrastructure  
Corporation of the Town of Amherstburg  
P.O. Box 159  
271 Sandwich St. S,  
Amherstburg, Ontario  
Canada N9V 2Z3

Dear Mr. Zarlenga:

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

Attached is the 2012 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 31<sup>st</sup> of each year for the preceding calendar year. This report covers the period of January 1, 2012 to December 31, 2012.

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 2012 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, these Summary Reports are to be provided to the members of the municipal council. Please ensure this distribution.

Section 12 of O. Reg. 170/03, requires the Summary Reports be made available for inspection by any member of the public during normal business hours, without charge. The reports 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 reports. If you have any questions, please feel free to contact Senior Operations Manager, Brian LaBute or myself at (519) 736-5447.

Sincerely,

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

## SUMMARY REPORTS FOR MUNICIPALITIES

### Report

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, 2012 to December 31, 2012. 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.

### Who gets a copy of the Summary Report?

- in the case of a drinking-water system owned by a municipality, the members of the municipal council;
- in the case of a drinking-water system owned by a municipal service board established under section 195 of the *Municipal Act, 2001*, the members of the municipal service board; or
- in the case of a drinking-water system owned by a corporation, the board of directors of the corporation.

### What must the Summary Report contain?

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 1 lists the requirements that the system failed to meet and the measures taken to correct the failure:

**Table 1**

Drinking Water Legislation	List the requirement(s) the system failed to meet	Specify the duration of the failure (i.e. date(s))	Describe the measures taken to correct the failure	Status (complete or outstanding)
Safe Drinking Water Act	None to report	-----	-----	-----
Ontario Regulations (e.g. O.Reg 170/03)	None to report	-----	-----	-----
Municipal Drinking Water License #026-101 System Drinking Water Works Permit #026-201	None to report	-----	-----	-----
Provincial Officer's Order #1-94ROT	None to report	-----	-----	-----

**What else must the Summary Report contain?**

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 2012.

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. No max day treated flow exceeded 80% of the rated treated capacity for the reporting period.

**Table 2**

Flow	Requirement	Maximum Daily Flow	Requirement	Maximum Flow Rate
2012	Maximum Allowable (per day)	Maximum Achieved (per day)	Maximum Allowable (per minute)	Maximum Achieved (per minute)
Raw Flow	22,900,000 L/d Permit to Take Water (#3750-7FAHRN)	21,781,440 L/d	15,903 L/min Permit to Take Water (#3750-7FAHRN)	15,126 L/min
Treated Flow	18,184 m <sup>3</sup> /d Municipal Drinking Water License #026-101 System Drinking Water Works Permit #026-201	14,053 m <sup>3</sup> /d	_____	_____

**When Does the Summary Report Get Submitted?**

If a report is prepared for a system that supplies water to a municipality under the terms of a contract, the owner of the system shall give a copy of the report to the municipality by March 31.

End





**Ontario Clean Water Agency  
Monthly Process Data Report**

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Municipality: Town of Amherstburg formerly ( 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: 01/01/2012 to 12/31/2012  
 Served Population: 20,599  
 Total Design Capacity(m<sup>3</sup>/day): 18,184.0

	Jan/2012	Feb/2012	Mar/2012	Apr/2012	May/2012	Jun/2012	Jul/2012	Aug/2012	Sep/2012	Oct/2012	Nov/2012	Dec/2012	-- Summary -->
<b>Raw WaterFlows - Raw Water</b>													
Raw Flow: Sum (m3/d)													
Avg	7,182.125	6,821.586	7,117.387	7,168.1	9,354.387	11,051.857	11,215.645	9,428.806	8,730.922	7,624.484	7,068.833	7,155.128	8,328.638
Max	8,433.0	7,341.0	8,668.0	8,177.0	13,148.0	14,735.0	14,098.0	12,269.0	10,620.0	9,387.0	8,885.0	8,405.0	14,755.0
Min	5,491.0	6,363.0	6,488.0	6,380.0	7,168.0	6,958.0	6,648.0	7,320.0	7,240.0	6,237.0	4,710.0	6,206.0	4,710.0
Sum	223,646.0	197,826.0	220,639.0	215,043.0	287,196.0	332,756.0	347,685.0	292,293.0	261,928.0	226,393.0	212,053.0	221,809.0	3,048,245.0
<b>Raw Flow: Peak (L/min)</b>													
Avg	5,329.0	4,908.966	5,120.452	5,269.8	6,924.774	8,078.3	8,933.645	7,370.742	6,641.660	5,202.258	5,703.033	5,302.126	6,405.431
Max	6,590.0	5,166.0	6,109.0	7,270.0	10,129.0	15,136.0	11,939.0	9,315.0	8,736.0	12,507.0	9,942.0	6,347.0	15,126.0
Min	4,957.0	4,680.0	4,696.0	4,553.0	5,061.0	5,402.0	7,065.0	5,487.0	5,367.0	4,512.0	4,492.0	4,488.0	4,488.0
Sum	165,199.0	142,360.0	158,734.0	158,664.0	214,266.0	272,365.0	276,943.0	228,493.0	189,247.0	152,270.0	171,061.0	164,366.0	2,344,390.0
<b>Treated WaterFlows - Treated Water</b>													
Treated Flow: Sum (m3/d)													
Avg	6,659.671	6,320.586	6,238.828	6,676.3	8,718.024	10,617.667	10,629.25	8,947.935	8,214.367	6,913.052	6,575.167	6,577.925	7,787.252
Max	7,819.0	7,064.0	8,180.0	7,650.0	11,880.0	14,053.0	13,568.0	11,099.0	10,367.0	8,642.0	7,247.0	7,394.0	14,053.0
Min	5,019.0	5,737.0	5,531.0	5,074.0	6,487.0	6,854.0	7,805.0	7,045.0	6,804.0	5,765.0	5,867.0	5,818.0	5,019.0
Sum	206,450.0	183,297.0	202,704.0	200,289.0	270,259.0	318,390.0	329,508.0	277,386.0	246,431.0	214,304.0	197,255.0	203,916.0	2,660,149.0





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

**Signature**  **Date** April 4, 2013

**Received By:** LOU ZARLENKA, P.ENG.  
DIRECTOR OF ENGINEERING & INFRASTRUCTURE

**Signature**  **Date** APRIL 04/13

**Confirmed By Resolution of Council:**

**Signature** \_\_\_\_\_ **Date** \_\_\_\_\_