



**Ontario Clean Water Agency**  
**Agence Ontarienne Des Eaux**

405 Clitherow Street  
P.O. Box 909  
Harrow, ON N0R 1G0  
Tel: (519) 738-3038  
whiggins@ocwa.com

February 20, 2019

Mr. Andy Graf  
Manager, Environmental Services  
Town of Essex  
120 Sinasac St.  
P.O. Box 359  
Harrow, ON N0R 1G0

Dear Mr. Graf:

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

Attached is the 2018 Summary Report for the Harrow-Colchester South 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 to December 31, 2018.

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 2018 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 Essex, 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 also 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.

Sincerely,

Warren Higgins  
Process & Compliance Tech.  
Ontario Clean Water Agency

cc: Chris Nepszy, Deputy Chief Administrative Officer, Town of Essex  
Dave Jubenville, Regional Hub Manager, OCWA  
Karen Burgess, Senior Operations Manager, OCWA



**Ontario Clean Water Agency**  
**Agence Ontarienne Des Eaux**

**Annual Summary Report**

**Harrow-Colchester South Water Treatment Plant**

**2018**

**Prepared for: The Corporation of the Town of Essex**

**By: Warren Higgins**  
**Ontario Clean Water Agency**

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## **SECTION 1**

### **Compliance with the Safe Drinking Water Act and Regulation 170/03**

This report is a summary of water quality information for the Harrow-Colchester South Water Treatment Plant and published in accordance with Schedule 22 of Ontario's Safe Drinking Water Act, Ontario Regulation 170/03 for the reporting period of January 1, 2018 to December 31, 2018. The Harrow-Colchester South Water Treatment Plant is categorized as a Large Municipal Residential Drinking Water System.

This report was prepared by the Ontario Clean Water Agency on behalf of the Town of Essex.

### **Compliance with the Municipal Drinking Water License 029-101**

The Harrow-Colchester South Water Treatment Plant was operated and maintained in such a manner that the water supplied to the consumers serviced by the system satisfied all the requirements in the Safe Drinking Water Act, the Regulations and the MDWL 029-101.

## **SECTION 2**

### **Non-Compliance with the Safe Drinking Water Act, Regulation 170/03, MDWL & DWWP**

One non-compliance event was reported to the Ministry in 2018 which occurred at the Walnut Street sample station.

<b>Incident Date</b>	<b>Parameter</b>	<b>Result</b>	<b>Unit of Measure</b>	<b>Corrective Action</b>	<b>Notice of Resolution</b>
09/10/2018	Microbiological	36 Total Coliform	n/a	Resample upstream and downstream, and again 24 hours later. All results were negative.	16/10/2018

## **SECTION 3**

### **Summary and discussion of quantity of water supplied**

In accordance with Schedule 22-2 (3) "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 rate.
2. A comparison of the summary referred to in paragraph 1 to the rated capacity and flow rates approved in the system's approval must be discussed.

The rated capacity specified in the Municipal Drinking Water License 029-101 for the Harrow-Colchester South Water Treatment Plant is 10,228 m<sup>3</sup>/day. The maximum daily flow for the reporting period was 5,045 m<sup>3</sup>/day on July 18, 2018.

The Permit to Take Water (Number 4088-9KDN6D) states the maximum amount of water taken is 21,154 L/min and 30,458,000 L/day. The maximum amount of water flow taken in 2017 was 6,480 L/min on July 04. The maximum amount of water taken in 2018 was 5,045,000 L/day on July 18<sup>th</sup>. The Permit to Take Water limit was not exceeded during this reporting period.

Attached in Appendix A, are the average daily volume (m<sup>3</sup>) and maximum daily volume (m<sup>3</sup>). Also noted is the % of Design Volume for each.

The quantity of water supplied during the reporting period did not exceed the rated capacity of this facility.

# Appendix A

## Harrow-Colchester South Water Treatment Plant Annual Volume Record for 2018

Design Treated Flows: 10, 228 m<sup>3</sup>/day

Month	Average Daily Volume(m <sup>3</sup> )	% of Design Volume	Maximum Daily Volume(m <sup>3</sup> )	% of Design Volume
January	2,426	24	2,918	29
February	2,270	22	2,600	25
March	2,413	24	3,233	32
April	2,461	24	2,916	29
May	3,048	30	4,238	41
June	3,444	34	4,579	45
July	4,030	39	5,045	49
August	3,610	35	4,675	46
September	3,044	30	4,389	43
October	2,558	25	2,960	29
November	2,370	23	2,851	28
December	2,242	22	2,747	27