

<b>TO:</b>	<b>CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON APRIL 11, 2017</b>
<b>FROM:</b>	<b>JOHN LUCAS, P.ENG. DIRECTOR – WATER &amp; WASTEWATER</b>
<b>SUBJECT:</b>	<b>2016 ANNUAL AND SUMMARY REPORTS FOR THE LAKE HURON AND ELGIN AREA PRIMARY WATER SUPPLY SYSTEMS, AND ELGIN-MIDDLESEX PUMPING STATION</b>

**RECOMMENDATION**

That, on the recommendation of the Director, Water & Wastewater, the 2016 Annual and Summary Reports for the Lake Huron and Elgin Area Primary Water Supply Systems, and the Elgin-Middlesex Pumping Station **BE RECEIVED** for information.

**PREVIOUS REPORTS PERTINENT TO THIS MATTER**

“2016 Drinking Water Annual Report and Summary Report for the City of London Distribution System” presented to CWC on February 7, 2017. Agenda Item #9

**BACKGROUND**

Ontario Regulation 170/03 (Drinking Water Systems) requires the owner of a municipal drinking-water system to ensure that an Annual Report and a Summary Report be prepared, covering the period of January 1 through to December 31 of the previous year.

The Annual Report is to contain:

- A brief description of the drinking water system, including a list of water treatment chemicals used by the system;
- A summary of the results of required tests;
- A summary of any adverse test results reported and corrective actions taken; and
- A description of any major expenses incurred to install, repair or replace required equipment.

The Summary Report is to contain:

- A list of any regulatory requirements applicable to the system that were not met at any time during the period covered by the report, the duration of the failure, and the measures that were taken to correct the failure; and,
- 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 compared to the rated capacity of the system.

**DISCUSSION**

On February 7, 2017, the Civic Works Committee received the Annual and Summary Report for the City of London Distribution System. That report dealt with the City’s

drinking-water system, but not with the Primary Water Supply Systems that treat London's water.

The City of London receives its drinking water from both the Lake Huron Primary Water Supply System, and the Elgin Area Primary Water Supply System. These two systems take raw water from Lakes Huron and Erie, and treat that water to meet the stringent Ontario Drinking Water Quality Standards. The Lake Huron Primary Water Supply System provides treated drinking water to eight (8) area municipalities, and the Elgin Area Primary Water Supply System provides treated drinking water to eight (8) municipalities.

Annual reports for these supply systems are attached as Appendix 'A' and 'B' respectively, and are available through the website links below:

[Elgin Area Primary Water Supply System 2016 Compliance Report](#)

[Lake Huron Primary Water Supply System 2016 Compliance Report](#)

#### Elgin Area Primary Water Supply System 2016 Compliance Report highlights

- 517 microbiological water samples tested with no adverse test results
- Ministry of Environment and Climate Change Annual Inspection rating of 100%

#### Lake Huron Primary Water Supply System 2016 Compliance Report highlights

- 618 microbiological water samples tested with no adverse test results
- Ministry of Environment and Climate Change Annual Inspection rating of 100%

The Elgin-Middlesex Pumping Station (EMPS) is jointly owned by the St. Thomas Area Secondary Water Supply System, the Aylmer Area Secondary Water Supply System, and the City of London. It is operated by the Ontario Clean Water Agency (OCWA) through a contracted operating agreement. The Annual Report for the EMPS (London portion) was not available at the time of preparing the February 7 report to the Civic Works Committee: "2016 Drinking Water Annual Report and Summary Report for the City of London Distribution System". It is included as Appendix "C".

#### Elgin-Middlesex Pumping Station 2016 Compliance Report highlights

- 52 microbiological water samples tested with no adverse test results
- Ministry of Environment and Climate Change Annual Inspection rating of 96.05% (no non-compliance issues).

The Annual and Summary Reports for both Primary Water Supply Systems and the Elgin-Middlesex Pumping Station complete the provision of information to the Municipal Council and the public regarding London's drinking water, from source to tap.

<b>SUMMARY</b>
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The City of London receives its drinking water from both the Lake Huron Primary Water Supply System, and the Elgin Area Primary Water Supply System. These systems are required to prepare Annual and Summary reports regarding the operation of the water systems. The 2016 Annual and Summary Reports for the Lake Huron and Elgin Area Primary Water Supply Systems are attached for information. The reports indicate no adverse microbiological water samples and 100% Annual Inspection ratings for both systems.

The Elgin-Middlesex Pumping Station is jointly owned by the St. Thomas Area Secondary Water Supply System, the Aylmer Area Secondary Water Supply System, and the City of London. It is operated by the Ontario Clean Water Agency through a contracted operating agreement. The 2016 Annual and Summary Report for the Elgin-Middlesex Pumping Station is attached for information. The reports indicate no adverse microbiological water samples and 96.05% Annual Inspection rating.

<b>PREPARED BY:</b>	<b>RECOMMENDED BY:</b>
<b>JOHN SIMON, P.ENG. DIVISION MANAGER, WATER OPERATIONS</b>	<b>JOHN LUCAS, P.ENG. DIRECTOR – WATER &amp; WASTEWATER</b>
<b>CONCURRED BY:</b>	
<b>KELLY SCHERR, P.ENG. MANAGING DIRECTOR – ENVIRONMENTAL &amp; ENGINEERING SERVICES &amp; CITY ENGINEER</b>	

CWC Report - Primary Water Systems - 2017-04-11 FNL\_FNL with EMPS

cc. Andrew Henry – Division Manager, Regional Water Supply

Appendix 'A' – Elgin Area Primary Water Supply System 2016 Compliance Report  
 Appendix 'B' – Lake Huron Primary Water Supply System 2016 Compliance Report  
 Appendix 'C' -- Elgin-Middlesex Pumping Station 2016 Compliance Report

**Appendix 'A'**

**Elgin Area Primary Water Supply System 2016 Compliance Report**

**Appendix 'B'**

**Lake Huron Primary Water Supply System 2016 Compliance Report**