

SUMMARY REPORT 2019
For the Town of Lakeshore Water Supply System
Tecumseh Water Service Area

(Made under Schedule 22 of Ontario Regulation 170/03, a regulation made under the Safe Drinking Water Act, 2002)

Explanation

Schedule 22 of Ontario Regulation 170/03, a regulation made under the Safe Drinking Water Act, 2002 requires that a small municipal residential drinking-water system must provide to its board members a Summary Report on various aspects of the system before March 31 of the following year. The Tecumseh Water Service Area is classed as a small municipal residential drinking-water system and is therefore subject to Schedule 22.

The Summary Report must list the following:

- The requirements of the Safe Drinking Water Act, 2002 that the system failed to meet during the period covered by the Summary Report
- The requirements of the regulations made under the Safe Drinking Water Act, 2002 that the system failed to meet during the period covered by the Summary Report
- The drinking-water systems approval that the system failed to meet during the period covered by the Summary Report
- Any order that the system failed to meet during the period covered by the Summary Report, the duration of any such failure and any measures that were taken to correct such failure
- A summary of the quantities and flow rates of water supplied by the drinking-water system by monthly average and maximum daily flow rates and instantaneous peak flow rates
- A comparison of actual flow rates with rated capacity and flow rates in the systems approval
- Minutes of the Management Review Meeting Minutes held by the Operating Authority

A drinking-water system that supplies water to a municipality must provide a copy of the Summary Report to the municipality by March 31 of the year following the year covered in the Summary Report.

Failure to meet the requirements of the Safe Drinking Water Act 2002, associated regulations, system approvals and provincial officer orders:

The table below lists the occasions on which the Tecumseh Water Service Area failed to meet the requirements of the Safe Drinking Water Act 2002, associated regulations, system approvals and provincial officer orders in 2019.

There were **no** occasions in 2019 where the Tecumseh Water Service Area was not in compliance with the requirements of the Safe Drinking Water Act 2002, associated regulations, system approvals and provincial officer orders.

Tecumseh Water Service Area

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			
Ontario Regulations	None			
System Certificate of Approval or Drinking Water Works Permit	None			
Provincial Officer's Order	None			

Table 1: Tecumseh WSA Treated Flow Data (flow into Town of Lakeshore) in 2019

Month	Flow in m³/Month
January	1071
February	2694
March	4417
April	6031
May	6732
June	4869
July	4796
August	10186
September	1300
October	1346
November	1182
December	2072
Total	46,696

**A Summary of 2019 Management Review Meeting Minutes as held by the
Operating Authority**



ANNUAL REPORT

Drinking-Water System Number:	260004982
Drinking-Water System Name:	Tecumseh Water Service Area
Drinking-Water System Owner:	The Corporation of the Town of Lakeshore
Drinking-Water System Category:	Small Municipal Residential
Period being reported:	January 01, 2019 to December 31, 2019

<p>Does this Drinking-Water System serve more than 10,000 people? Yes [] No [X]</p> <p>Is this annual report available to the public at no charge on a web site on the Internet? Yes [X] No []</p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <p>Town of Lakeshore Municipal Building (Town Hall) 419 Notre Dame Street Belle River, Ont. NOR 1A0</p>	<p>Number of Designated Facilities served: None</p> <p>Number of Interested Authorities this system reports to: None</p>
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Drinking-Water Systems which receive all of their drinking water from this system:

Drinking Water System Name	Drinking Water System Number
NONE	

How system users are told that this annual report is available, and is free of charge.

- Public access/notice via the web**
- Public access/notice via Government Office**
- Public access/notice via a newspaper**
- Public access/notice via Public Request**



Description of the Drinking-Water System during this reporting period

The Tecumseh Water Service Area (TWSA) includes the area of Lakeshore generally bounded by County Rd.19, County Rd.42, Scott Side Road and Highway 401. The TWSA encompasses water service connections along the east side of County Rd.19 from County Rd.42 north to County Rd.22 including connections on Little Baseline Road. Through an agreement between the Town of Lakeshore and the Town of Tecumseh, the TWSA supplies water to approximately 137 residents located within the Town of Lakeshore. The Town of Tecumseh obtains its drinking water from the Windsor Utilities Commission water system. The TWSA distribution system is comprised of approximately 21km of watermains ranging in size from 50 to 200 millimeters in diameter. The distribution system disinfection residual is by free chlorine.

List of all water treatment chemicals used during this reporting period

No water treatment chemicals applied by Lakeshore. All water treatment chemicals were added by upstream owners and operating authorities.

Significant expenses incurred during this reporting period to:

- Install required equipment
- Repair required equipment
- Replace required equipment

A brief description and a breakdown of monetary expenses incurred during this reporting period

N/A

Details of notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre during this reporting period

****None for this period.**

Microbiological testing done under the Schedule 10 of Regulation 170/03, during this reporting period.

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw	N/A	N/A	N/A	N/A	N/A
Treated	N/A	N/A	N/A	N/A	N/A
Distribution	104	0 – 0	0 – 0	104	0 - 20



Operational testing done under Schedule 7 of Regulation 170/03 during this reporting period

	Number of Grab Samples	Range of Results (min #)-(max #)	Unit of Measure
Turbidity	N/A	N/A	N/A
Chlorine	N/A	N/A	N/A
All Distribution Free Chlorine Residuals	431	0.58 – 1.51	Mg/L

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
None				

Summary of Alkalinity and Field pH testing done under Schedule 15.1 during this reporting period

Location Type Distribution	Number of Samples	Alkalinity Result (range 30 – 500)	Unit of Measure	Field pH Result	Number of Exceedances
Winter Session					
s/stn LT-05	1	85	Mg/l	7.14	N/A
s/stn LT-06	1	87	Mg/l	7.25	N/A
Summer Session					
s/stn LT-06	1	88	Mg/l	7.31	N/A
s/stn LT-05	1	89	Mg/l	7.30	N/A

Summary of Organic parameters sampled during this reporting period

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
THM	Running Annual Average	13.53	Ug/l	NO
HAA	Running Annual Average	8.55	Ug/l	NO

Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

Parameter	Result Value	Unit of Measure	Date of Sample
N/A			