

**ANNUAL SUMMARY REPORT**  
For the  
**TECUMSEH DISTRIBUTION SYSTEM**  
**(260004969)**  
For the year  
**2008**

Prepared for the Town of Tecumseh  
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Water Services

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## Section 1: Overview

This report has been prepared and submitted in accordance with Schedule 22 of O. Reg 170/03 under the Safe Drinking Water Act (SDWA). Schedule 22 requires:

The owner of a drinking-water system shall ensure that, not later than March 31 of each year after 2003, a report is prepared in accordance with subsections (1) and (2) for the preceding calendar year and is given to the members of the municipal council.

Schedule 22 also states that:

- 1) 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.
  
- 2) 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. A summary of the quantities of the water supplied during the period covered by the report, including monthly flows.

In June 2003, the provincial Safe Drinking Water Act (SDWA) came into effect. The Drinking-Water Systems Regulation (O.Reg 170/03) defines how various drinking-water systems are to be operated.

According to this Regulation, the Tecumseh Distribution System is classified as a Large Municipal Residential System (LMR).

## Section 2: Non-Compliance Issues

During the inspection period, there was (0) non-compliance issues in the Tecumseh Distribution System.

Section 3: System Capability – Flows per Cubic Meters

<b>2008 Water Consumption</b>	
<b>Month</b>	<b>Imperial Gallons (x 1,000)</b>
January	53,293
February	51,540
March	37,249
April	50,112
May	39,632
June	65,608
July	51,971
August	84,029
September	76,110
October	120,800
November	60,310
December	48,251
<b>Total</b>	<b>738,905</b>

# Drinking-Water Systems Regulation O. Reg. 170/03

## OPTIONAL ANNUAL REPORT TEMPLATE

<b>Drinking-Water System Number:</b>	260004969
<b>Drinking-Water System Name:</b>	Town of Tecumseh Distribution System
<b>Drinking-Water System Owner:</b>	The Corporation of The Town of Tecumseh
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	01-January-2008 to 31-December-2008

**Complete if your Category is Large Municipal Residential or Small Municipal Residential**

Does your Drinking-Water System serve more than 10,000 people? Yes  No

Is your annual report available to the public at no charge on a web site on the Internet? Yes  No

Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.

Town of Tecumseh Municipal Office  
917 Lesperance Road  
Tecumseh, Ontario  
N8N 1W9

**Complete for all other Categories.**

Number of Designated Facilities served:

N/A

Did you provide a copy of your annual report to all Designated Facilities you serve?

Yes  No

Number of Interested Authorities you report to:

N/A

Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?

Yes  No

**Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report**

List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:

Drinking Water System Name	Drinking Water System Number
Lakeshore Dist. System	260004982

Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water?

Yes  No

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Indicate how you notified system users that your 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  
 Public access/notice via a Public Library  
 Public access/notice via other method   Municipal Offices

**Describe your Drinking-Water System****Water Distribution System**

The Town of Tecumseh, City of Windsor and Windsor Utilities Commission (WUC) entered into a 50-year Service Agreement in November 2004. The Service Agreement was implemented on March 31, 2006 when four boundary metering chambers were installed and maintained by the Town of Tecumseh. Tecumseh's drinking water system also includes a water tower located on Tecumseh Road, with no re-chlorination stations within the distribution system.

Prior to August 1, 2008, WUC provided water to 2,400 residents in the former Township of Sandwich South, south of Highway 401 ("South Water Area"). The Town installed eight additional boundary meter chambers and assumed the responsibility for the operations and maintenance of the water distribution system from WUC in this South Water Area effective August 1, 2008.

The Town of Tecumseh and the Town of Lakeshore entered into an agreement on May 13, 2003 whereby the Tecumseh distribution system supplies drinking water to the Lakeshore distribution system. This agreement expired on December 31, 2007 and is currently being renegotiated; the status quo is maintained until a new agreement is signed.

**List all water treatment chemicals used over this reporting period**

N/A

**Were any significant expenses incurred to?**

- Install required equipment  
 Repair required equipment  
 Replace required equipment

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Please provide a brief description and a breakdown of monetary expenses incurred

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Provide details on the 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

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
No incidents					

Microbiological testing done under the Schedule 10, 11 or 12 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					
Treated					
Distribution	520	0 to 0	0 to 0	161	0 to 10

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

	Number of Grab Samples	Range of Results (min #)-(max #)
Turbidity		
Chlorine	468	Max 1.11 mg/l Min. 0.18 mg/l
Fluoride (If the DWS provides fluoridation)		

*NOTE: For continuous monitors use 8760 as the number of samples.*

*NOTE: Record the unit of measure if it is not milligrams per litre.*

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

## Drinking-Water Systems Regulation O. Reg. 170/03

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
n/a				

### Summary of Inorganic parameters tested during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony				
Arsenic				
Barium				
Boron				
Cadmium				
Chromium				
Lead	Jan 1/08 till April /08 & June/08 till Oct/08	<0.0001	Mg/l	nil
Mercury				
Selenium				
Sodium				
Uranium				
Fluoride				
Nitrite				
Nitrate				

### Summary of Organic parameters sampled during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor				
Aldicarb				
Aldrin + Dieldrin				
Atrazine + N-dealkylated metabolites				
Azinphos-methyl				
Bendiocarb				
Benzene				
Benzo(a)pyrene				
Bromoxynil				
Carbaryl				
Carbofuran				
Carbon Tetrachloride				
Chlordane (Total)				
Chlorpyrifos				

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Cyanazine				
Diazinon				
Dicamba				
1,2-Dichlorobenzene				
1,4-Dichlorobenzene				
Dichlorodiphenyltrichloroethane (DDT) + metabolites				
1,2-Dichloroethane				
1,1-Dichloroethylene (vinylidene chloride)				
Dichloromethane				
2,4 Dichlorophenol				
2,4-Dichlorophenoxy acetic acid (2,4-D)				
Diclofop-methyl				
Dimethoate				
Dinoseb				
Diquat				
Diuron				
Glyphosate				
Heptachlor + Heptachlor Epoxide				
Lindane (Total)				
Malathion				
Methoxychlor				
Metolachlor				
Metribuzin				
Monochlorobenzene				
Paraquat				
Parathion				
Pentachlorophenol				
Phorate				
Picloram				
Polychlorinated Biphenyls(PCB)				
Prometryne				
Simazine				
THM (NOTE: show latest annual average)	Every 4 months	19.6	Ug/L	no
Temephos				
Terbufos				
Tetrachloroethylene				
2,3,4,6-Tetrachlorophenol				
Triallate				
Trichloroethylene				
2,4,6-Trichlorophenol				
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)				

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Trifluralin				
Vinyl Chloride				

List any 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			