


Ontario Drinking-Water Systems Regulation O. Reg. 170/03
OPTIONAL ANNUAL REPORT TEMPLATE

Drinking-Water System Number:	260004969
Drinking-Water System Name:	Town of Tecumseh Distribution System
Drinking-Water System Owner:	The Corporation of The Town of Tecumseh
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	01- January -2025 to 31- December – 2025

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

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

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

Yes [X] 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:

2

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

Yes [X] 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 [X] No []



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 _____

Describe your Drinking-Water System

Water Distribution System

The Town of Tecumseh, City of Windsor and the 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?

- No Yes Install required equipment
- No Yes Repair required equipment
- No Yes Replace required equipment- PWES-2025-17

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

The PWES Capital works plan encompassed several key projects in 2025:

1. Replacement of 6 Auto Flushing Stations
 - Total Project Cost: \$45,000 (excluding HST)



2. Mulberry Drive Trunk Watermain Emergency Repairs
 - Scope: Replacement of failed air release valve, installation of four new 600mm diameter couplings, and replacement of two existing 600mm diameter gate valves with new butterfly valves.
 - Purpose: Completing these works in a controlled setting with a contractor and materials on-site is critical to limit disturbance and service downtime to residents in the area. Failure of this trunk watermain without isolation capability and available materials would be catastrophic due to the large volume of water conveyed.

3. Centennial–Woodridge Watermain Replacement
 - Scope: Replacement of approximately 2,065m of existing ductile iron watermain with new PVC watermain within the following limits:
 - Centennial Drive from St. Thomas Street to Riverside Drive (200mm diameter)
 - Woodridge Drive from St. Thomas Street to Little River Boulevard (150mm diameter)
 - Woodridge Drive from Little River Boulevard to Dillon Drive (150mm diameter)
 - St. Thomas Street from Woodridge Drive to Dillon Drive (200mm diameter)
 - Little River Boulevard from Woodridge Drive to Dillon Drive (300mm diameter)
 - Works include new water services, new hydrants, new valves, and associated appurtenances.
 - Purpose: Project funded through a successful Investing in Canada Infrastructure Program (ICIP) – Green Stream Stage II application, with the Town receiving \$2,566,550 in grant funding.
 - Total Project Cost: \$3,878,115 (excluding HST)

4. Tecumseh Water Tower – Internal Cleaning and Inspection
 - Scope: Cleaning, inspection, and disinfection of the water tower.
 - Purpose: Undertaken in accordance with the Town’s preventative maintenance program.
 - Estimated Project Cost: \$32,000 (excluding HST)

5. Brouillette Court Watermain Replacement
 - Scope: Replacement of approximately 160m of existing ductile iron watermain with new PVC watermain within the following limits:
 - Brouillette Court east–west alignment (200mm diameter) between Shawnee Road and Brouillette Court – approximately 100m
 - Brouillette Court north–south alignment (100mm diameter) west of the east–west alignment – approximately 60m
 - Works include new water services, new hydrants, new valves, and associated appurtenances.
 - Purpose: Replacement of aging 150mm diameter ductile iron watermain servicing a long-term care facility, reducing the risk of water quality concerns and potential watermain breaks.
 - Total Project Cost: \$357,741 (excluding HST)

6. Highway 3 – County Road 34 Water Valve Replacement
 - Scope: Replacement of water valves on the existing 300mm diameter watermain located on Highway No. 3 (Oldcastle Road to County Road 34) and on County Road 43 (Highway No. 3 to Malden Road).
 - Purpose: Existing hydrant valves require replacement as they are failing during



operation and cannot reliably isolate hydrants for maintenance.

- Estimated Project Cost: \$456,300 (excluding HST)
- 2025 Capital Allocation: \$71,000 (excluding HST)

7. Tecumseh Hamlet Secondary Plan – Phases 1 & 2

• Scope: Extension of 400mm diameter trunk watermain from the existing cap south of County Road 22 through greenfield lands to Intersection Road, and along Intersection Road to St. Anne Street, to support future development within the Tecumseh Hamlet area.

Approximately 1,420m of 400mm diameter watermain to be installed within the easement from County Road 22 to Intersection Road.

Along Intersection Road, approximately 555m of 400mm diameter watermain to be installed.

Local connections include:

- Gouin Street: approximately 60m of 200mm diameter watermain
- Maisonneuve Road: approximately 60m of 200mm diameter watermain
- Shawnee Road: approximately 25m of 150mm diameter watermain
- Hebert Street: approximately 10m of 300mm diameter watermain
- St. Anne Street: approximately 35m of 200mm diameter watermain
- Purpose: Identified servicing works as per the Town of Tecumseh Water and Wastewater Master Plan Update (2018).
- Total Project Cost: \$12,283,284 (excluding HST)

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
Mar.12/25	lead	0.0117	mg/L	Notify SAC and MOH. Flush and re-sample the affected area – work was completed on Mar.14/25. Re-sample results received – within regulatory limits. Adverse condition rescinded on Mar.16/25.	Mar.14/25

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	N/A				
Treated	N/A				
Distribution	520	0 to 0	0 to 0	156	0 to 20

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

	Number of	Range of Results
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NOTE: For continuous monitors use 8760 as the number of samples.

	Grab Samples	(min #)-(max #)
Turbidity	N/A	
Chlorine <i>Tecumseh Water Tower</i>	8760	Max 1.44 Min 0.79
Chlorine <i>Distribution Free Chlorine Residuals</i>	1629	Max 1.62 Min 0.23
Fluoride (If the DWS provides fluoridation)	N/A	

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.

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

N/A

*Only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems

Summary of lead testing under Schedule 15.1 during this reporting period

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

Location Type Distribution	Number of Samples	Alkalinity Result (range 30-500)	Lead Result (range 0-0.01)	Unit of Measure	Field pH (range 0-14)	Number of Exceedances
Winter Session – Collection Date: March 12, 2025						
315 Fairway	1	77	0.00003	Mg/L	6.99	1
12260 Westlake	1	75	0.00019	Mg/L	6.87	
2325 Astor	1	77	0.00004	Mg/L	7.07	
2013 St.Martin	1	78	0.0117	Mg/L	7.02	
2013 St. Martin re-sample	1	81	0.00007	Mg/L	6.93	None
Summer Session – Collection Date: September 16, 2025						
315 Fairway	1	74	0.00008	Mg/L	7.08	None



12260 Westlake	1	74	0.00024	Mg/L	7.03
2325 Astor	1	75	0.00008	Mg/L	7.19
2013 St. Martin	1	81	0.00003	Mg/L	7.34

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				
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				
Haloacetic Acids (HAAs) (NOTE: show latest running annual average)	quarterly	9.78	µg/L	None
Heptachlor + Heptachlor Epoxide				
Lindane (Total)				
Malathion				
Methoxychlor				



Metolachlor				
Metribuzin				
Monochlorobenzene				
Paraquat				
Parathion				
Pentachlorophenol				
Phorate				
Picloram				
Polychlorinated Biphenyls(PCB)				
Prometryne				
Simazine				
THM (NOTE: show latest running annual average)	quarterly	25.28	µg/L	None
Temephos				
Terbufos				
Tetrachloroethylene				
2,3,4,6-Tetrachlorophenol				
Triallate				
Trichloroethylene				
2,4,6-Trichlorophenol				
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)				
Trifluralin				
Vinyl Chloride				

Summary table for Running Annual Averages of Organic Parameters sampled during this reporting period.

Parameter	Sample Date	Result	Running Annual Average	Unit of Measure	Number of Exceedances
HAA	Jan.13, 2025	5.3	9.78	µg/L	None
	Apr.14, 2025	12.9		µg/L	
	Jul. 14, 2025	13.5		µg/L	
	Oct.14, 2025	7.4		µg/L	
Parameter	Sample Date	Average Result	Running Annual Average	Unit of Measure	Number of Exceedances
THM	Jan.13, 2025	22	25.28	µg/L	None
	Apr.14, 2025	25.8		µg/L	
	Jul. 14, 2025	29.5		µg/L	
	Oct. 14, 2025	23.8		µg/L	

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			