

**Part III Form 2
Section 11. ANNUAL REPORT.**

Drinking-Water System Number:	220003314
Drinking-Water System Name:	TECUMSEH, THE CORPORATION OF THE TOWN OF
Drinking-Water System Owner:	TECUMSEH, THE CORPORATION OF THE TOWN OF
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	Jan 1, 04 to Dec 31, 04

<p><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></p> <p>Does your Drinking-Water System serve more than 10,000 people? Yes [Y] No []</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [Y] No []</p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; padding: 5px;"> Town of Tecumseh Water Department 1189 Lacasse Blvd Tecumseh, On N8N 2C7 </div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: <input style="width: 100px; height: 20px;" type="text"/></p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [] No []</p> <p>Number of Interested Authorities you report to: <input style="width: 100px; height: 20px;" type="text"/></p> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [] No []</p>
---	--

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 (Tecumseh WTP) Distribution	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 [Y] 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 _____ Towns
newsletter _____

Describe your Drinking-Water System

Tecumseh Water Treatment Plant is a surface water treatment plant that services a total population of 23 000 people.

The treatment plant employs chemically assisted filtration and uses chlorine gas for disinfection.

List all water treatment chemicals used over this reporting period

Clarification Chemicals:

Aluminum Sulfate – Coagulant

Nalclear 8181 (polymer) – Coagulant Aid (Seasonal)

Powdered Activated Carbon – Taste and Odour Control

Filtration:

Cat-Floc 8103 Plus (polymer) – Filter Aid (Seasonal)

Disinfection:

Chlorine Gas

Were any significant expenses incurred to?

Install required equipment

Repair required equipment

Replace required equipment

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

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	AWQI#	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
1/12/2004	22378	Total Coliform	1	Detection	Resample & Flush	01/15/04 & 01/16/04
8/9/2004	31023	Total Coliform	1	Detection	Resample	08/11/04; 08/12/04 & 08/13/04
8/9/2004	31024	Total Coliform	1	Detection	Resample	08/11/04; 08/12/04 & 08/13/04
9/13/2004	32822	Total Coliform	1	Detection	Resample	09/15/04 & 09/16/04

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 (#-#)	Number of Samples	Range of Total Coliform Results (#-#)	Number of HPC Samples	Range of HPC Results (#-#) Or Background Colony Counts
Raw	52	0-440	52	0-7600		
Treated	55	0-1	55	0-0	54	0-20
Distribution	439	0-0	439	0-1	172	0-13

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	8760	0 - .51
Chlorine	8760	.83 - 1.543
Distribution Cl2 Sampling	743	.33 - 1.21

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.

Date of legal instrument issued	Parameter	Date Sampled	Result (Min) – (Max)	Unit of Measure
10/19/04 CofA: 0401-6SSJDF	Suspended Solids (composite)	Frequency: Monthly	9 - 54	mg/L

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

Parameter	Sample Date		Result Value	Unit of Measure	Exceedance	MAC
Antimony	1/12/2004	<	0.0006	mg/L	no	0.006
Arsenic	1/12/2004	<	0.002	mg/L	no	0.025
Barium	1/12/2004		0.018	mg/L	no	1
Boron	1/12/2004		0.021	mg/L	no	5
Cadmium	1/12/2004	<	0.0001	mg/L	no	0.005
Chromium	1/12/2004		0.016	mg/L	no	0.05
Lead	4/1/2004	<	0.0006	mg/L	no	0.01
Mercury	1/12/2004	<	0.0001	mg/L	no	0.001
Selenium	1/12/2004	<	0.003	mg/L	no	0.01
Sodium		*		mg/L	no	20
Uranium	1/12/2004		0.00035	mg/L	no	0.02
Fluoride	1/12/2004	<	0.09	mg/L	no	1.5

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

Nitrite (as nitrogen)	1/12/2004	<	0.011	mg/L	no	1
	04/06/04	<	.005			
	07/06/04	<	.005			
	10/04/04	<	.005			
Nitrate (as nitrogen)	1/12/2004		3.29	mg/L	no	10
	04/06/04		1.48			
	07/06/04		.744			
	10/04/04		.140			

* Sodium was not tested for this year as a O.Reg. 170/03 sample.

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

Parameter	Sample Date		Result Value	Unit of Measure	Exceedance	MAC
Alachlor	1/12/2004	<	0.00011	mg/L	no	0.005
Aldicarb	1/12/2004	<	0.0003	mg/L	no	0.009
Aldrin + Dieldrin	1/12/2004	<	0.000067	mg/L	no	0.0007
Atrazine + N-dealkylated metabolites	1/12/2004	<	0.00012	mg/L	no	0.005
Azinphos-methyl	1/12/2004	<	0.00021	mg/L	no	0.02
Bendiocarb	1/12/2004	<	0.00013	mg/L	no	0.04
Benzene	1/12/2004	<	0.00036	mg/L	no	0.005
Benzo(a)pyrene	1/12/2004	<	0.000004	mg/L	no	0.00001
Bromoxynil	1/12/2004	<	0.000094	mg/L	no	0.005
Carbaryl	1/12/2004	<	0.00016	mg/L	no	0.09
Carbofuran	1/12/2004	<	0.00037	mg/L	no	0.09
Carbon Tetrachloride	1/12/2004	<	0.00034	mg/L	no	0.005
Chlordane (Total)	1/12/2004	<	0.00011	mg/L	no	0.007
Chlorpyrifos	1/12/2004	<	0.00018	mg/L	no	0.09
Cyanazine	1/12/2004	<	0.00018	mg/L	no	0.01
Diazinon	1/12/2004	<	0.000081	mg/L	no	0.02
Dicamba	1/12/2004	<	0.00017	mg/L	no	0.12
1,2-Dichlorobenzene	1/12/2004	<	0.00056	mg/L	no	0.2
1,4-Dichlorobenzene	1/12/2004	<	0.00025	mg/L	no	0.005
Dichlorodiphenyltrichloroethane (DDT) + metabolites	1/12/2004	<	0.00014	mg/L	no	0.03
1,2-Dichloroethane	1/12/2004	<	0.00032	mg/L	no	0.005
1,1-Dichloroethylene (vinylidene chloride)	1/12/2004	<	0.00052	mg/L	no	0.014

Dichloromethane	1/12/2004	<	0.00117	mg/L	no	0.05
2-4 Dichlorophenol	1/12/2004	<	0.00015	mg/L	no	0.9
2,4-Dichlorophenoxy acetic acid (2,4-D)	1/12/2004	<	0.00011	mg/L	no	0.1
Diclofop-methyl	1/12/2004	<	0.00013	mg/L	no	0.009
Dimethoate	1/12/2004	<	0.00012	mg/L	no	0.02
Dinoseb	1/12/2004	<	0.000084	mg/L	no	0.01
Diquat	1/12/2004	<	0.001	mg/L	no	0.07
Diuron	1/12/2004	<	0.000087	mg/L	no	0.15
Glyphosate	1/12/2004	<	0.006	mg/L	no	0.28
Heptachlor + Heptachlor Epoxide	1/12/2004	<	0.00011	mg/L	no	0.003
Lindane (Total)	1/12/2004	<	0.000056	mg/L	no	0.004
Malathion	1/12/2004	<	0.000091	mg/L	no	0.19
Methoxychlor	1/12/2004	<	0.00014	mg/L	no	0.9
Metolachlor	1/12/2004	<	0.000092	mg/L	no	0.05
Metribuzin	1/12/2004	<	0.00012	mg/L	no	0.08
Monochlorobenzene	1/12/2004	<	0.00046	mg/L	no	0.08
Paraquat	1/12/2004	<	0.001	mg/L	no	0.01
Parathion	1/12/2004	<	0.00018	mg/L	no	0.05
Pentachlorophenol	1/12/2004	<	0.00015	mg/L	no	0.06
Phorate	1/12/2004	<	0.00011	mg/L	no	0.002
Picloram	1/12/2004	<	0.0002	mg/L	no	0.19
Polychlorinated Biphenyls(PCB)	1/12/2004	<	0.00004	mg/L	no	0.003
Prometryne	1/12/2004	<	0.00023	mg/L	no	0.001
Simazine	1/12/2004	<	0.00015	mg/L	no	0.01
THM (NOTE: annual average)			0.0365	mg/L	no	0.1
Temephos	1/12/2004	<	0.00031	mg/L	no	0.28
Terbufos	1/12/2004	<	0.00012	mg/L	no	0.001
Tetrachloroethylene (perchloroethylene)	1/12/2004	<	0.00048	mg/L	no	0.03
2,3,4,6-Tetrachlorophenol	1/12/2004	<	0.00014	mg/L	no	0.1
Triallate	1/12/2004	<	0.0001	mg/L	no	0.23
Trichloroethylene	1/12/2004	<	0.00054	mg/L	no	0.05
2,4,6-Trichlorophenol	1/12/2004	<	0.00025	mg/L	no	0.005

2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	1/12/2004	<	0.00014	mg/L	no	0.28
Trifluralin	1/12/2004	<	0.00012	mg/L	no	0.045
Vinyl Chloride	1/12/2004	<	0.00008	mg/L	no	0.002

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

(Only if DWS category is large municipal residential, small municipal residential, large municipal non residential, non municipal year round residential, large non municipal non residential)