

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

<b>Drinking-Water System Number:</b>	#220007034
<b>Drinking-Water System Name:</b>	Tobermory Primary Place Day Care
<b>Drinking-Water System Owner:</b>	Municipality of Northern Bruce Peninsula
<b>Drinking-Water System Category:</b>	Small Municipal Non-Residential
<b>Period being reported:</b>	January 1, 2012 – December 31, 2012

**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.

**Complete for all other Categories.**

Number of Designated Facilities served:

1

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

Yes  No

Number of Interested Authorities you report to:

1

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

Yes  No

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
N/A	

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  N/A

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 Include notice in water billings

**Describe your Drinking-Water System**
**One drilled well**
**Raw water passes through a softener, followed by treatment consisting of one (1) 5 micron cartridge filter, one (1) 1 micron cartridge filter, one (1) UV disinfection unit and chlorine disinfection.**
**List all water treatment chemicals used over this reporting period**
**Sodium hypochlorite  
Water softening salt**
**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**
**Low Flow Cell for online chlorine analyzer**
**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
N/A					

**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	18	0 - 2	0 - 110	N/A	N/A
Treated	N/A	N/A	N/A	N/A	N/A
Distribution	25	0 - 0	0 - 0	N/A	N/A

**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 – Treated Water	8760	0.008 – 0.111 NTU
Free Chlorine	8760	0.32 – 2.50
Dist. Free Chlorine	160	0.12 – 1.95

*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	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	09/22/10	0.08	ug/L	No
Arsenic	09/22/10	0.07	ug/L	No
Barium	09/22/10	20.5	ug/L	No
Boron	09/22/10	21.0	ug/L	No
Cadmium	09/22/10	0.035	ug/L	No
Chromium	09/22/10	2.7	ug/L	No
Lead (standing)	09/02/12	5.60	ug/L	No
Mercury	09/22/10	<0.02	ug/L	No
Selenium	09/22/10	8.0	ug/L	No
Sodium	05/19/10	103	mg/L	Yes
Uranium	09/22/10	0.030	ug/L	No
Fluoride	05/19/10	0.14	mg/L	No
Nitrite	01/09/12	<0.005	mg/L	No
Nitrite	04/10/12	<0.005	mg/L	No
Nitrite	07/09/12	0.006	mg/L	No
Nitrite	10/02/12	0.008	mg/L	No
Nitrate	01/09/12	1.41	mg/L	No
Nitrate	04/10/12	3.22	mg/L	No
Nitrate	07/09/12	2.43	mg/L	No

Nitrate	10/02/12	3.63	mg/L	No
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**Summary of Organic parameters sampled during this reporting period or most recent**

Parameter	Sample Date	Result Value	Exceedance
Alachlor (ug/L) - TW	09/22/10	< 0.11	No
Aldicarb (ug/L) - TW	09/22/10	< 0.30	No
Aldrin + Dieldrin (ug/L) - TW	09/22/10	< 0.067	No
Atrazine + N-dealkylated metabolites (ug/L) - TW	09/22/10	< 0.12	No
Azinphos-methyl (ug/L) - TW	09/22/10	< 0.21	No
Bendiocarb (ug/L) - TW	09/22/10	< 0.13	No
Benzene (ug/L) - TW	09/22/10	< 0.32	No
Benzo(a)pyrene (ug/L) - TW	09/22/10	< 0.0040	No
Bromoxynil (ug/L) - TW	09/22/10	< 0.33	No
Carbaryl (ug/L) - TW	09/22/10	< 0.16	No
Carbofuran (ug/L) - TW	09/22/10	< 0.37	No
Carbon Tetrachloride (ug/L) - TW	09/22/10	< 0.16	No
Chlordane: Total (ug/L) - TW	09/22/10	< 0.11	No
Chlorpyrifos (ug/L) - TW	09/22/10	< 0.18	No
Cyanazine (ug/L) - TW	09/22/10	< 0.18	No
Diazinon (ug/L) - TW	09/22/10	< 0.081	No
Dicamba (ug/L) - TW	09/22/10	< 0.20	No
1,2-Dichlorobenzene (ug/L) - TW	09/22/10	< 0.41	No
1,4-Dichlorobenzene (ug/L) - TW	09/22/10	< 0.36	No
Dichlorodiphenyltrichloroethane(DDT) + metabolites (ug/L) - TW	09/22/10	< 0.14	No
1,2-Dichloroethane (ug/L) - TW	09/22/10	< 0.35	No
1,1-Dichloroethylene (ug/L) - TW	09/22/10	< 0.33	No
Dichloromethane (ug/L) - TW	09/22/10	< 0.35	No
2,4-Dichlorophenol (ug/L) - TW	09/22/10	< 0.15	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW	09/22/10	< 0.19	No
Diclofop-methyl (ug/L) - TW	09/22/10	< 0.40	No
Dimethoate (ug/L) - TW	09/22/10	< 0.12	No
Dinoseb (ug/L) - TW	09/22/10	< 0.36	No
Diquat (ug/L) - TW	09/22/10	< 1.00	No

Diuron (ug/L) - TW	09/22/10	< 0.087	No
Glyphosate (ug/L) - TW	09/22/10	< 6.00	No
Heptachlor+Hepachlor Epoxide (ug/L) - TW	09/22/10	< 0.11	No
Lindane (ug/L) - TW	09/22/10	< 0.056	No
Malathion (ug/L) - TW	09/22/10	< 0.091	No
Methoxychlor (ug/L) - TW	09/22/10	< 0.14	No
Metolachlor (ug/L) - TW	09/22/10	< 0.092	No
Metribuzin (ug/L) - TW	09/22/10	< 0.12	No
Monochlorobenzene (ug/L) - TW	09/22/10	< 0.30	No
Paraquat (ug/L) - TW	09/22/10	< 1.00	No
Parathion (ug/L) - TW	09/22/10	< 0.18	No
Pentachlorophenol (ug/L) - TW	09/22/10	< 0.15	No
Phorate (ug/L) - TW	09/22/10	< 0.11	No
Picloram (ug/L) - TW	09/22/10	< 0.25	No
Polychlorinated Bichenysl(PCB) (ug/L) - TW	09/22/10	< 0.040	No
Prometryne (ug/L) - TW	09/22/10	< 0.23	No
Simazine (ug/L) - TW	09/22/10	< 0.15	No
THM (ug/L) – DW (Average)	2011	8.65	No
Temephos (ug/L) - TW	09/22/10	< 0.31	No
Terbufos (ug/L) - TW	09/22/10	< 0.12	No
Tetrachloroethylene (ug/L) - TW	09/22/10	< 0.35	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW	09/22/10	< 0.14	No
Triallate (ug/L) - TW	09/22/10	< 0.10	No
Trichloroethylene (ug/L) - TW	09/22/10	< 0.43	No
2,4,6-Trichlorophenol (ug/L) - TW	09/22/10	< 0.25	No
2,4,5-Trichlorophenoxy acetic acid (ug/L) - TW	09/22/10	< 0.22	No
Trifluralin (ug/L) - TW	09/22/10	< 0.12	No
Vinyl Chloride (ug/L) - TW	09/22/10	< 0.17	No

**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
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**(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)**