

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

Drinking-Water System Number:	#220007034
Drinking-Water System Name:	Tobermory Primary Place Day Care
Drinking-Water System Owner:	Municipality of Northern Bruce Peninsula
Drinking-Water System Category:	Small Municipal Non-Residential
Period being reported:	April 12 – December 31, 2010

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 [X]

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.

Municipality of Northern Bruce Peninsula
56 Lindsay Road 5
Lion's Head, Ontario
N0H 1W0

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 [X] 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 []

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
Tobermory Primary Place Daycare	260024596

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 [] 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

- Replacement of contact tanks
- Replacement of UV reactor ballast and controls

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
AWQI 95009 May 31 st , 2010	Sodium	103	Mg/L	Resample	June 1 st , 2010
AWQI 97357 August 18 th , 2010	UV Power lost Primary Disinfection	1.20 August 18 th , 2010 Cl2 check	Mg/L	Replace UV ballast	August 24 th , 2010

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	8	0 - 168	1 - 175	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	0.002 – 0.195
Free Chlorine	8760	0.68 – 1.98
Dist. Free Chlorine	115	0.40 – 1.62

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

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	06/07/10	2.12	ug/L	No
Mercury	09/22/10	<0.02	ug/L	No
Selenium	09/22/10	8.0	ug/L	No
Sodium	19/05/10	103	mg/L	Yes
Uranium	09/22/10	0.030	ug/L	No
Fluoride	12/13/03	0.3	mg/L	No
Nitrite	06/07/10	<0.005	mg/L	No
Nitrate	06/07/10	2.51	mg/L	No
Nitrite	09/22/10	<0.005	mg/L	No
Nitrate	09/22/10	3.10	mg/L	No

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)	2010	8.3	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)