

The Corporation of the Municipality of Port Hope



Canton Municipal Office

2004 Annual Report

February 21, 2005

Municipality of Port Hope
P.O. Box 117
56 Queen Street
Port Hope, ON
L1A 3V9

Attention: Mr. Peter Angelo, P. Eng., Director of Municipal Engineering Services

Dear Mr. Angelo:

RE: 2004 Annual Report – Canton Municipal Office

We are pleased to provide the *2004 Annual Report for the Canton Municipal Office* as outlined in Ontario Regulation 170/03, Section 11 made under the Safe Drinking Water Act.

Sincerely,

Rick Trumper

Rick Trumper
Water Treatment Supervisor
Municipality of Port Hope

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

Part III Form 2
Section 11. ANNUAL REPORT.

Drinking-Water System Number:	260037206
Drinking-Water System Name:	Canton Municipal Office
Drinking-Water System Owner:	Municipality of Port Hope
Drinking-Water System Category:	Small Municipal Non-Residential
Period being reported:	January 1, 2004 – December 31, 2004

<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 [] No [X]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [X] 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; margin-top: 5px;"> Municipality of Port Hope Town Hall, Public Works Office, Canton Municipal Office and Ward 2 Library </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>
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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

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 _____

Describe your Drinking-Water System

General

This is a small Municipal Non-Residential system that obtains its water from a single ground water source. This system serves the Ward 2 Municipal office building at a flow rate of <2.5 Litres per second. This system is used frequently.

1. Source

This Facility uses a drilled ground water well that has been studied for the influence of surface water.

2. Treatment

This Facility uses an Ultra Violet Disinfection system to disinfect the raw water. There are no other treatment systems used at this location.

3. Equipment

Pumping equipment consists of a single deep well pump and a 180-litre pressure tank that delivers the raw ground water from the well to the disinfection and plumbing systems.

List all water treatment chemicals used over this reporting period

There are no treatment chemicals used at this Facility.

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

Based on positive findings from the Ground Water under the Direct Influence study (GUDI) we have drilled a new well to insure we have a true supply of ground water to use at this facility. As soon as weather permits we will be connecting the system at this location to the new well. Total cost for the well drilling work is \$9000.00.

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

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

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	12	0 – 0	0 – 0	10	0 - 1260
Treated	52	0 – 0	0 – 0	52	0 - 96
Distribution					

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	n/a	
Chlorine	n/a	
Fluoride (If the DWS provides fluoridation)	n/a	

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
SGS Lakefield Research	UV Transmittance	02/10/04	93.6	Percent (%)

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	02/10/04	.0006	mg/L	No
Arsenic	02/10/04	.002	mg/L	No
Barium	02/10/04	.199	mg/L	No
Boron	02/10/04	.017	mg/L	No
Cadmium	02/10/04	.001	mg/L	No

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Chromium	02/10/04	.004	mg/L	No
Lead	02/10/04	.0006	mg/L	No
Mercury	02/10/04	.0001	mg/L	No
Selenium	02/10/04	.003	mg/L	No
Sodium	02/10/04		mg/L	No
Uranium	02/10/04	.00011	mg/L	No
Fluoride	02/10/04	.00014	mg/L	No
Nitrite	02/10/04	.005<MDL	mg/L	No
Nitrate	02/10/04	.013<MDL	mg/L	No

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	02/10/04	.00011	mg/L	No
Aldicarb	02/10/04	.00030	mg/L	No
Aldrin + Dieldrin	02/10/04	.000067	mg/L	No
Atrazine + N-dealkylated metabolites	02/10/04	.000121	mg/L	No
Azinphos-methyl	02/10/04	.00021	mg/L	No
Bendiocarb	02/10/04	.0001	mg/L	No
Benzene	02/10/04	.00036	mg/L	No
Benzo(a)pyrene	02/10/04	.000004	mg/L	No
Bromoxynil	02/10/04	.000094	mg/L	No
Carbaryl	02/10/04	.00016	mg/L	No
Carbofuran	02/10/04	.00037	mg/L	No
Carbon Tetrachloride	02/10/04	.00034	mg/L	No
Chlordane (Total)	02/10/04	.00011	mg/L	No
Chlorpyrifos	02/10/04	.00018	mg/L	No
Cyanazine	02/10/04	.00018	mg/L	No
Diazinon	02/10/04	.000081	mg/L	No
Dicamba	02/10/04	.00017	mg/L	No
1,2-Dichlorobenzene	02/10/04	.00056	mg/L	No
1,4-Dichlorobenzene	02/10/04	.00025	mg/L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	02/10/04	.00014	mg/L	No
1,2-Dichloroethane	02/10/04	.00032	mg/L	No
1,1-Dichloroethylene (vinylidene chloride)	02/10/04	.00052	mg/L	No
Dichloromethane	02/10/04	.00117	mg/L	No
2-4 Dichlorophenol	02/10/04	.00015	mg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	02/10/04	.00011	mg/L	No
Diclofop-methyl	02/10/04	.00013	mg/L	No
Dimethoate	02/10/04	.00012	mg/L	No

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Dinoseb	02/10/04	.000084	mg/L	No
Diquat	02/10/04	.001	mg/L	No
Diuron	02/10/04	.000087	mg/L	No
Glyphosate	02/10/04	.006	mg/L	No
Heptachlor + Heptachlor Epoxide	02/10/04	.00011	mg/L	No
Lindane (Total)	02/10/04	.000056	mg/L	No
Malathion	02/10/04	.000091	mg/L	No
Methoxychlor	02/10/04	.00014	mg/L	No
Metolachlor	02/10/04	.000092	mg/L	No
Metribuzin	02/10/04	.00012	mg/L	No
Monochlorobenzene	02/10/04	.00046	mg/L	No
Paraquat	02/10/04	.001	mg/L	No
Parathion	02/10/04	.00018	mg/L	No
Pentachlorophenol	02/10/04	.00015	mg/L	No
Phorate	02/10/04	.00011	mg/L	No
Picloram	02/10/04	.00020	mg/L	No
Polychlorinated Biphenyls(PCB)	02/10/04	.00004	mg/L	No
Prometryne	02/10/04	.00023	mg/L	No
Simazine	02/10/04	.00015	mg/L	No
THM (NOTE: show latest annual average)	02/10/04		mg/L	No
Temphos	02/10/04	.00031	mg/L	No
Terbufos	02/10/04	.00012	mg/L	No
Tetrachloroethylene	02/10/04	.00048	mg/L	No
2,3,4,6-Tetrachlorophenol	02/10/04	.00014	mg/L	No
Triallate	02/10/04	.00010	mg/L	No
Trichloroethylene	02/10/04	.00054	mg/L	No
2,4,6-Trichlorophenol	02/10/04	.00025	mg/L	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	02/10/04	.00014	mg/L	No
Trifluralin	02/10/04	.00012	mg/L	No
Vinyl Chloride	02/10/04	.00008	mg/L	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

(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)