



**Ontario Clean Water Agency**  
**Agence Ontarienne Des Eaux**

RECEIVED

16 Townline

FEB 25 2010

TEL: 519 941 1938

Orangeville, Ontario

TEL: 519 941 1794

Canada L9W 3T6

www.ocwa.com

February 22, 2010

Mr. John Telfer, Clerk  
Town of Shelburne  
203 Main Street East, Box 69  
Shelburne, ON  
L0N 1S0

**Re: Section 11 Report of Ontario Regulation 170/03**

Dear Mr. Telfer;

Please find attached the 2009 Annual Report for the Shelburne Water System, water works # 220004965. The reports have been prepared as per Section 11 of O.Reg 170/03 by the Ontario Clean Water Agency on behalf of the Town of Shelburne. These reports no longer have to be submitted to the Ministry of the Environment.

As per O.Reg 170/03; Section 12 (4); these reports must be made available to any member of the public during normal business hours without charge at the office of the owner. If the office of the owner is not reasonably convenient to users of water from the system, the reports must be made available at a location that is reasonably convenient to those users.

Should you have any further questions regarding the attached report, please contact the undersigned at (519) 941-1938.

Sincerely,

Richard Laliberte  
Operations Manager  
West Highlands Hub

RL/lb

cc: Lisa Benoit, PCT

# Revised O. Reg. 170 Section 11 Annual Report

<b>Drinking-Water System Number:</b>	220004965
<b>Drinking-Water System Name:</b>	Shelburne Water Supply System
<b>Drinking-Water System Owner:</b>	The Corporation of the Town of Shelburne
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1, 2009 – December 31, 2009

<p><b><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></b></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: 10px;">             Office of Town of Shelburne              203 Main St East              Shelburne              Ontario, L0N 1S0         </div>	<p style="text-align: center;"><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served:</p> <div style="border: 1px solid black; text-align: center; width: 100px; margin: 5px auto;">N/A</div> <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:</p> <div style="border: 1px solid black; text-align: center; width: 100px; margin: 5px auto;">N/A</div> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [ ] No [ ]</p>
---	---

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 [ ] Not Applicable [X]

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 \_\_\_\_\_

## Revised O. Reg. 170 Section 11 Annual Report

### Describe your Drinking-Water System

The Town of Shelburne's water is derived from five drilled groundwater wells, noted as well numbers 1, 2, 3, 5 and 6. Water from these wells is pumped into the distribution system, which consists of approximately 28.3 kilometers of watermain and into the Town's elevated storage reservoir.

Shelburne's groundwater wells, draws its water from underground aquifers, which are generally protected from above-ground sources of contamination by overlying layers of clay. To prevent the direct entry of surface water or foreign materials into these wells all wellheads are maintained and secure.

Primary disinfection is achieved by the addition of sodium hypochlorite for Well # 3, 5, and 6 with contact time. At Pumphouse PH 1/2, a complete two-stage primary disinfection system consisting of UV light combined with chemical disinfection is necessary to ensure that the water is adequately treated for consumption. Secondary disinfection is achieved through Primary Disinfection at all wells supplying the Shelburne Water System.

Residual chlorine levels are maintained in the distribution system to effectively provide secondary disinfection throughout the system.

Shelburne's ground water supply contains high iron levels and is an aesthetic concern due to its potential for staining of fixtures and clothing. To control the release of iron into the water Shelburne's raw water goes through another step in treatment called iron sequestering (Calciquest).

### List all water treatment chemicals used over this reporting period

Sodium Hypochlorite (12% solution) - disinfection  
Calciquest (28% solution) - iron sequestering

### 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 incur

### 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
Sept 24/09	Electrical/ Instrumentation	0.0 Treated Water (free chlorine residual)	mg/L	Well shut down & system flushed. SCADA technician/ electrician diagnosed & repaired problem.	Sept 24/09

## Revised O. Reg. 170 Section 11 Annual Report

**Microbiological testing done under Schedule 10 of Regulation 170/03, during this reporting period.**

	# of Samples	E.Coli (min -max)	Total Coliform (min - max)	# of HPC Samples	HPC (min - max)
<b>Raw</b>	247	0-1.0	0-10.0	N/A	N/A
<b>Treated</b>	229	0-0	0-0	229	0-12.0
<b>Distribution</b>	172	0-0	0-0	172	0-2.0

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

Parameter	Number of Grab Samples	Range of Results (min #)-(max #)
<b>Raw Water</b>		
Turbidity (Well #1)	12	0.07-0.37 NTU's
Turbidity (Well #2) (o/s)	12	0.11-7.25 NTU's
Turbidity (Well #3)	12	0.10-0.57 NTU's
Turbidity (Well #5)	12	0.08-0.63 NTU's
Turbidity (Well #6)	12	0.08-0.21 NTU's
<b>Treated Water</b>		
Chlorine Residual (Andrew Street) (free)	8760	0.62-2.00 mg/L
Chlorine Residual (Cedar Street) (free)	8760	0.40-1.98 mg/L
Chlorine Residual (Fourth Line) (free)	8760	0.00-1.90 mg/L
<b>Distribution System</b>		
Chlorine Residual (free)	366	0.24-1.56 mg/L

**Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.**

Date 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
<b>ANDREW STREET PUMPHOUSE (WELL 1 /2)</b>				
		Well1/Well2		
<b>Antimony</b>	Mar 03/09 & 29/07	0.18 / <0.20	ug/l	No
<b>Arsenic</b>	Jan 19 /09	7.7	ug/l	No
	Apr 06/09	4.8		
	Jul 13/09	2.2		
	Oct 19/09	1.5		
<b>Barium</b>	Mar 03/09 & 29/07	116 / 115	ug/l	No
<b>Boron</b>	Mar 03/09 & Jan 29/07	36.2 / 32	ug/l	No
<b>Cadmium</b>	Mar 03/09 &	0.040 / <0.06	ug/l	No

**Revised O. Reg. 170 Section 11 Annual Report**

	Jan 29/07			
<b>Chromium</b>	Mar 03/09 & Jan 29/07	1.5 / 1.4	ug/l	No
<b>Lead Distribution</b>	Mar 10/09	1.30	ug/l	No
<b>Mercury</b>	Mar 03/09 & Jan 29/07	<0.02 / 0.02	ug/l	No
<b>Selenium</b>	Mar 03/09 & Jan 29/07	< 1.0 / <1.0	ug/l	No
<b>Sodium</b>	Jan 17/08	61.5	mg/l	Yes
<b>Uranium</b>	Mar 03/09 & Jan 29/07	1.08 / 1.13	ug/l	No
<b>Fluoride</b>	Jan 17/08	0.84	mg/l	No
<b>ANDREW STREET PUMPHOUSE (WELL 1/2) CON'T</b>				
<b>Nitrite</b>	Jan 19/09	0.005	mg/l	No
	Apr 06/09	0.005		
	Jul 13/09	0.005		
	Oct 19/09	0.005		
<b>Nitrate</b>	Jan 19/09	0.669	mg/l	No
	Apr 06/09	0.536		
	Jul 13/09	0.582		
	Oct 19/09	0.386		

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
<b>CEDAR STREET PUMPHOUSE (WELL 3)</b>				
<b>Antimony</b>	Jan 29/07	<0.2	ug/l	No
<b>Arsenic</b>	Jan 19/09	10.4	ug/l	No
	Apr 06/09	10.8	ug/l	
	Jul 13/09	10.8	ug/l	
	Oct 19/09	10.1	ug/l	
<b>Barium</b>	Jan 29/07	131	ug/l	No
<b>Boron</b>	Jan 29/07	26	ug/l	No
<b>Cadmium</b>	Jan 29/07	<0.06	ug/l	No
<b>Chromium</b>	Jan 29/07	<1.0	ug/l	No
<b>Lead Distribution</b>	Mar 10/09	1.30	ug/l	No
<b>Mercury</b>	Jan 29/07	<0.02	ug/l	No
<b>Selenium</b>	Jan 29/07	<1	ug/l	No
<b>Sodium</b>	Jan 17/08	10.2	mg/l	No
<b>Uranium</b>	Jan 29/07	0.77	ug/l	No
<b>Fluoride</b>	Jan 17/08	0.94	mg/l	No
<b>Nitrite</b>	Jan 19/09	0.005	mg/l	No
	Apr 27/09	0.005		
	Jul 13/09	0.005		
	Oct 19/09	0.005		
<b>Nitrate</b>	Jan 19/09	0.069	mg/l	No
	Apr 27/09	0.013		

**Revised O. Reg. 170 Section 11 Annual Report**

	Jul 13/09	0.013	
	Oct 19/09	0.013	

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
<b>FOURTH LINE PUMPHOUSE (WELL 5 &amp; 6)</b>				
<b>Antimony</b>	Jan 29/07	<0.2	ug/l	No
<b>Arsenic</b>	Jan 19/09	13.1	ug/l	No
	Apr 06/09	13.7	ug/l	No
	Jul 13/09	14.2	ug/l	
	Oct 19/09	13.6	ug/l	
<b>Barium</b>	Jan 29/07	115	ug/l	No
<b>Boron</b>	Jan 29/07	28	ug/l	No
<b>Cadmium</b>	Jan 29/07	<0.06	ug/l	No
<b>Chromium</b>	Jan 29/07	<1	ug/l	No
<b>Lead Distribution</b>	Mar 10/09	1.30	ug/l	No
<b>Mercury</b>	Jan 29/07	<0.02	ug/l	No
<b>Selenium</b>	Jan 29/07	<1	ug/l	No
<b>Sodium</b>	Jan 17/08	9.5	mg/l	No
<b>Uranium</b>	Jan 29/07	0.60	ug/l	No
<b>Fluoride</b>	Jan 17/08	0.98	mg/l	No
<b>Nitrite</b>	Jan 19/09	0.005	mg/l	No
	Apr 27/09	0.005		
	Jul 13/09	0.005		
	Oct 19/09	0.005		
<b>Nitrate</b>	Jan 19/09	0.303	mg/l	No
	Apr 27/09	0.013		
	Jul 13/09	0.013		
	Oct 19/09	0.013		

**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	Number of Samples	Range of Lead Results (min#) – (max #)	Number of Exceedances
<b>Plumbing</b>			
<b>Distribution</b>			

- 0 sampling points with 2 samples per point (plumbing per session)

**Revised O. Reg. 170 Section 11 Annual Report**

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
<b>ANDREW STREET PUMPHOUSE (WELL 1 &amp; 2)</b>				
		Well 1/Well 2		
Alachlor	Mar 03/09 & Jan 29/07	< 0.11 / 0.11	ug/l	No
Aldicarb	Mar 03/09 & Jan 29/07	< 0.30 / <0.30	ug/l	No
Aldrin + Dieldrin	Mar 03/09 & Jan 29/07	< 0.067 / <0.067	ug/l	No
Atrazine + N-dealkylated metabolites	Mar 03/09 & Jan 29/07	< 0.12 / <0.12	ug/l	No
Azinphos-methyl	Mar 03/09 & Jan 29/07	< 0.21 / <0.21	ug/l	No
Bendiocarb	Mar 03/09 & Jan 29/07	< 0.13 / <0.13	ug/l	No
Benzene	Mar 03/09 & Jan 29/07	<0.37 / <0.37	ug/l	No
Benzo(a)pyrene	Mar 03/09 & Jan 29/07	< 0.004 / <0.004	ug/l	No
Bromoxynil	Mar 03/09 & Jan 29/07	< 0.33 / <0.33	ug/l	No
Carbaryl	Mar 03/09 & Jan 29/07	<0.16 / <0.16	ug/l	No
Carbofuran	Mar 03/09 & Jan 29/07	< 0.37 / <0.37	ug/l	No
Carbon Tetrachloride	Mar 03/09 & Jan 29/07	<0.41 / <0.41	ug/l	No
Chlordane (Total)	Mar 03/09 & Jan 29/07	< 0.11 / <0.11	ug/l	No
Chlorpyrifos	Mar 03/09 & Jan 29/07	< 0.18 / <0.18	ug/l	No
Cyanazine	Mar 03/09 & Jan 29/07	< 0.18 / <0.18	ug/l	No
Diazinon	Mar 03/09 & Jan 29/07	< 0.081 / <0.081	ug/l	No
Dicamba	Mar 03/09 & Jan 29/07	< 0.2 / <0.2	ug/l	No
1,2-Dichlorobenzene	Mar 03/09 & Jan 29/07	<0.50 / <0.5	ug/l	No
1,4-Dichlorobenzene	Mar 03/09 & Jan 29/07	<0.21 / <0.21	ug/l	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	Mar 03/09 & Jan 29/07	< 0.14 / <0.14	ug/l	No
1,2-Dichloroethane	Mar 03/09 & Jan 29/07	<0.43 / <0.43	ug/l	No
1,1-Dichloroethylene (vinylidene chloride)	Mar 03/09 & Jan 29/07	<0.41 / <0.41	ug/l	No

**Revised O. Reg. 170 Section 11 Annual Report**

Dichloromethane	Mar 03/09 & Jan 29/07	< 0.34 / <0.34	ug/l	No
2-4 Dichlorophenol	Mar 03/09 & Jan 29/07	< 0.15 / <0.15	ug/l	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	Mar 03/09 & Jan 29/07	< 0.19 / <0.19	ug/l	No
Diclofop-methyl	Mar 03/09 & Jan 29/07	< 0.4 / <0.4	ug/l	No
Dimethoate	Mar 03/09 & Jan 29/07	< 0.12 / <0.12	ug/l	No
Dinoseb	Mar 03/09 & Jan 29/07	<0.36 / <0.36	ug/l	No
Diquat	Mar 03/09 & Jan 29/07	< 1.0 / <1.0	ug/l	No
Diuron	Mar 03/09 & Jan 29/07	< 0.087 / <0.087	ug/l	No
Glyphosate	Mar 03/09 & Jan 29/07	< 6.0 / <6.0	ug/l	No
Heptachlor + Heptachlor Epoxide	Mar 03/09 & Jan 29/07	< 0.11 / <0.11	ug/l	No
Lindane (Total)	Mar 03/09 & Jan 29/07	< 0.056 / <0.056	ug/l	No
Malathion	Mar 03/09 & Jan 29/07	< 0.091 / <0.091	ug/l	No
Methoxychlor	Mar 03/09 & Jan 29/07	< 0.14 / <0.14	ug/l	No
Metolachlor	Mar 03/09 & Jan 29/07	< 0.092 / <0.092	ug/l	No
Metribuzin	Mar 03/09 & Jan 29/07	< 0.12 / <0.12	ug/l	No
Monochlorobenzene	Mar 03/09 & Jan 29/07	< 0.58 / <0.58	ug/l	No
Paraquat	Mar 03/09 & Jan 29/07	< 1.0 / <1.0	ug/l	No
Parathion	Mar 03/09 & Jan 29/07	< 0.18 / <0.18	ug/l	No
Pentachlorophenol	Mar 03/09 & Jan 29/07	< 0.15 / <0.15	ug/l	No
Phorate	Mar 03/09 & Jan 29/07	< 0.11 / <0.11	ug/l	No
Picloram	Mar 03/09 & Jan 29/07	< 0.25 / <0.25	ug/l	No
Polychlorinated Biphenyls(PCB)	Mar 03/09 & Jan 29/07	< 0.04 / <0.04	ug/l	No
Prometryne	Mar 03/09 & Jan 29/07	< 0.23 / <0.23	ug/l	No
Simazine	Mar 03/09 & Jan 29/07	< 0.15 / <0.15	ug/l	No
THM – Distribution (NOTE: show latest annual average) average – 11.0 ug/l	Jan 19/09 Apr 06/09 Jul 13/09 Oct 19/09			



**Revised O. Reg. 170 Section 11 Annual Report**

Temephos	Mar 03/09 & Jan 29/07	< 0.31 / <0.31	ug/l	No
Terbufos	Mar 03/09 & Jan 29/07	< 0.12 / <0.12	ug/l	No
Tetrachloroethylene	Mar 03/09 & Jan 29/07	< 0.45 / <0.45	ug/l	No
2,3,4,6-Tetrachlorophenol	Mar 03/09 & Jan 29/07	< 0.14 / <0.14	ug/l	No
Triallate	Mar 03/09 & Jan 29/07	< 0.10 / <0.10	ug/l	No
Trichloroethylene	Mar 03/09 & Jan 29/07	< 0.38 / <0.38	ug/l	No
2,4,6-Trichlorophenol	Mar 03/09 & Jan 29/07	< 0.25 / <0.25	ug/l	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	Mar 03/09 & Jan 29/07	< 0.22 / <0.22	ug/l	No
Trifluralin	Mar 03/09 & Jan 29/07	< 0.12 / <0.12	ug/l	No
Vinyl Chloride	Mar 03/09 & Jan 29/07	< 0.17 / <0.17	ug/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
<b>CEDAR STREET PUMPHOUSE (WELL 3)</b>				
Alachlor	Jan 29/07	<0.11	ug/l	No
Aldicarb	Jan 29/07	<0.30	ug/l	No
Aldrin + Dieldrin	Jan 29/07	<0.067	ug/l	No
Atrazine + N-dealkylated metabolites	Jan 29/07	<0.12	ug/l	No
Azinphos-methyl	Jan 29/07	<0. 21	ug/l	No
Bendiocarb	Jan 29/07	<0.13	ug/l	No
Benzene	Jan 29/07	<0.37	ug/l	No
Benzo(a)pyrene	Jan 29/07	<0.004	ug/l	No
Bromoxynil	Jan 29/07	<0.33	ug/l	No
Carbaryl	Jan 29/07	<0.16	ug/l	No
Carbofuran	Jan 29/07	<0.37	ug/l	No
Carbon Tetrachloride	Jan 29/07	<0.41	ug/l	No
Chlordane (Total)	Jan 29/07	<0.11	ug/l	No
Chlorpyrifos	Jan 29/07	<0.18	ug/l	No
Cyanazine	Jan 29/07	<0.18	ug/l	No
Diazinon	Jan 29/07	<0.081	ug/l	No
Dicamba	Jan 29/07	<0.20	ug/l	No
1,2-Dichlorobenzene	Jan 29/07	<0.50	ug/l	No
1,4-Dichlorobenzene	Jan 29/07	<0.21	ug/l	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	Jan 29/07	<0.14	ug/l	No
1,2-Dichloroethane	Jan 29/07	<0.43	ug/l	No

**Revised O. Reg. 170 Section 11 Annual Report**

<b>1,1-Dichloroethylene (vinylidene chloride)</b>	Jan 29/07	<0.41	ug/l	No
<b>Dichloromethane</b>	Jan 29/07	<0.34	ug/l	No
<b>2-4 Dichlorophenol</b>	Jan 29/07	<0.15	ug/l	No
<b>2,4-Dichlorophenoxy acetic acid (2,4-D)</b>	Jan 29/07	<0.19	ug/l	No
<b>Diclofop-methyl</b>	Jan 29/07	<0.40	ug/l	No
<b>Dimethoate</b>	Jan 29/07	<0.12	ug/l	No
<b>Dinoseb</b>	Jan 29/07	<0.36	ug/l	No
<b>Diquat</b>	Jan 29/07	<1	ug/l	No
<b>Diuron</b>	Jan 29/07	<0.087	ug/l	No
<b>Glyphosate</b>	Jan 29/07	<6	ug/l	No
<b>Heptachlor + Heptachlor Epoxide</b>	Jan 29/07	<0.11	ug/l	No
<b>Lindane (Total)</b>	Jan 29/07	<0.056	ug/l	No
<b>Malathion</b>	Jan 29/07	<0.091	ug/l	No
<b>Methoxychlor</b>	Jan 29/07	<0.14	ug/l	No
<b>Metolachlor</b>	Jan 29/07	<0.092	ug/l	No
<b>Metribuzin</b>	Jan 29/07	<0.12	ug/l	No
<b>Monochlorobenzene</b>	Jan 29/07	<0.58	ug/l	No
<b>Paraquat</b>	Jan 29/07	<1	ug/l	No
<b>Parathion</b>	Jan 29/07	<0.18	ug/l	No
<b>Pentachlorophenol</b>	Jan 29/07	<0.15	ug/l	No
<b>Phorate</b>	Jan 29/07	<0.11	ug/l	No
<b>Picloram</b>	Jan 29/07	<0.25	ug/l	No
<b>Polychlorinated Biphenyls(PCB)</b>	Jan 29/07	<0.04	ug/l	No
<b>Prometryne</b>	Jan 29/07	<0.23	ug/l	No
<b>Simazine</b>	Jan 29/07	<0.15	ug/l	No
<b>THM – Distribution</b>  (NOTE: show latest annual average) average – 11.0 ug/l	Jan 19/09 Apr 27/09 Jul 13/09 Oct 19/09			
<b>Temephos</b>	Jan 29/07	<0.31	ug/l	No
<b>Terbufos</b>	Jan 29/07	<0.12	ug/l	No
<b>Tetrachloroethylene</b>	Jan 29/07	<0.45	ug/l	No
<b>2,3,4,6-Tetrachlorophenol</b>	Jan 29/07	<0.14	ug/l	No
<b>Triallate</b>	Jan 29/07	<0.10	ug/l	No
<b>Trichloroethylene</b>	Jan 29/07	<0.38	ug/l	No
<b>2,4,6-Trichlorophenol</b>	Jan 29/07	<0.25	ug/l	No
<b>2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)</b>	Jan 29/07	<0.22	ug/l	No
<b>Trifluralin</b>	Jan 29/07	<0.12	ug/l	No
<b>Vinyl Chloride</b>	Jan 29/07	<0.17	ug/l	No

## Revised O. Reg. 170 Section 11 Annual Report

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
<b>FOURTH LINE PUMPHOUSE (WELL 5 &amp; 6)</b>				
Alachlor	Jan 29/07	<0.11	ug/l	No
Aldicarb	Jan 29/07	<0.30	ug/l	No
Aldrin + Dieldrin	Jan 29/07	<0.067	ug/l	No
Atrazine + N-dealkylated metabolites	Jan 29/07	<0.12	ug/l	No
Azinphos-methyl	Jan 29/07	<0.21	ug/l	No
Bendiocarb	Jan 29/07	<0.13	ug/l	No
Benzene	Jan 29/07	<0.37	ug/l	No
Benzo(a)pyrene	Jan 29/07	<0.004	ug/l	No
Bromoxynil	Jan 29/07	<0.33	ug/l	No
Carbaryl	Jan 29/07	<0.16	ug/l	No
Carbofuran	Jan 29/07	<0.37	ug/l	No
Carbon Tetrachloride	Jan 29/07	<0.41	ug/l	No
Chlordane (Total)	Jan 29/07	<0.11	ug/l	No
Chlorpyrifos	Jan 29/07	<0.18	ug/l	No
Cyanazine	Jan 29/07	<0.18	ug/l	No
Diazinon	Jan 29/07	<0.081	ug/l	No
Dicamba	Jan 29/07	<0.2	ug/l	No
1,2-Dichlorobenzene	Jan 29/07	<0.50	ug/l	No
1,4-Dichlorobenzene	Jan 29/07	<0.21	ug/l	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	Jan 29/07	<0.14	ug/l	No
1,2-Dichloroethane	Jan 29/07	<0.43	ug/l	No
1,1-Dichloroethylene (vinylidene chloride)	Jan 29/07	<0.41	ug/l	No
Dichloromethane	Jan 29/07	<0.34	ug/l	No
2-4 Dichlorophenol	Jan 29/07	<0.15	ug/l	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	Jan 29/07	<0.19	ug/l	No
Diclofop-methyl	Jan 29/07	<0.4	ug/l	No
Dimethoate	Jan 29/07	<0.12	ug/l	No
Dinoseb	Jan 29/07	<0.36	ug/l	No
Diquat	Jan 29/07	<1	ug/l	No
Diuron	Jan 29/07	<0.087	ug/l	No
Glyphosate	Jan 29/07	<6	ug/l	No
Heptachlor + Heptachlor Epoxide	Jan 29/07	<0.11	ug/l	No
Lindane (Total)	Jan 29/07	<0.056	ug/l	No
Malathion	Jan 29/07	<0.091	ug/l	No
Methoxychlor	Jan 29/07	<0.14	ug/l	No
Metolachlor	Jan 29/07	<0.092	ug/l	No
Metribuzin	Jan 29/07	<0.12	ug/l	No
Monochlorobenzene	Jan 29/07	<0.58	ug/l	No
Paraquat	Jan 29/07	<1	ug/l	No
Parathion	Jan 29/07	<0.18	ug/l	No
Pentachlorophenol	Jan 29/07	<0.15	ug/l	No

**Revised O. Reg. 170 Section 11 Annual Report**

<b>Phorate</b>	Jan 29/07	<0.11	ug/l	No
<b>Picloram</b>	Jan 29/07	<0.25	ug/l	No
<b>Polychlorinated Biphenyls(PCB)</b>	Jan 29/07	<0.04	ug/l	No
<b>Prometryne</b>	Jan 29/07	<0.23	ug/l	No
<b>Simazine</b>	Jan 29/07	<0.15	ug/l	No
<b>THM – Distribution</b>  (NOTE: show latest annual average) average – 11.0 ug/l	Jan 19/09 Apr 27/09 Jul 13/09 Oct 19/09			
<b>Temephos</b>	Jan 29/07	<0.31	ug/l	No
<b>Terbufos</b>	Jan 29/07	<0.12	ug/l	No
<b>Tetrachloroethylene</b>	Jan 29/07	<0.45	ug/l	No
<b>2,3,4,6-Tetrachlorophenol</b>	Jan 29/07	<0.14	ug/l	No
<b>Triallate</b>	Jan 29/07	<0.10	ug/l	No
<b>Trichloroethylene</b>	Jan 29/07	<0.38	ug/l	No
<b>2,4,6-Trichlorophenol</b>	Jan 29/07	<0.25	ug/l	No
<b>2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)</b>	Jan 29/07	<0.22	ug/l	No
<b>Trifluralin</b>	Jan 29/07	<0.12	ug/l	No
<b>Vinyl Chloride</b>	Jan 29/07	<0.17	ug/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
<b>Well 5/6</b>	13.1	ug/l	Jan 19/09
<b>Arsenic</b>	13.7	ug/l	Apr 06/09
	14.2	ug/l	Jul 13/09
	13.6	ug/l	Oct 19/09



**Ontario Clean Water Agency**  
**Agence Ontarienne Des Eaux**

16 Townline  
Orangeville, Ontario  
Canada L9W 3T6

TEL: 519 941 1938  
FAX: 519 941 1794  
www.ocwa.com

**February 23, 2010**

Mr. John Telfer  
Clerk  
Town of Shelburne  
203 Main Street East, Box 69  
Shelburne, Ontario  
L0N 1S0

**Re: Safe Drinking Water Act, O. Reg. 170/03 Schedule 22 Summary Report**

Dear Mr. Telfer;

Attached is the 2009 Summary Report for the **Shelburne Water Supply System**. This report has been completed based on the information we have in our records and in accordance with Schedule 22 of O. Reg. 170/03, under the Safe Drinking Water Act, which requires a Summary Report to be prepared not later than March 31<sup>st</sup> of each year for the preceding calendar year. This report covers the period of January 1, 2009 to December 31, 2009.

After your review and inclusion of any additional information, this Summary Report must be provided to the members of the municipal council. The report is not intended for distribution to the Ministry of the Environment.

Section 12 of O. Reg. 170/03, requires both the Summary Report and the Annual Report to be made available for inspection by any member of the public during normal business hours, without charge. The reports should be made available for inspection at the office of the municipality, or at a location that is reasonably convenient to the users of the water system, as indicated in the Section 11 Annual Report, as required by Section 12 (4) of O.Reg 170/03.

Sincerely,

Richard Laliberte  
Operations Manager  
West Highlands Hub  
Ontario Clean Water Agency

RL/lb

cc: Lisa Benoit, PCT



**Ontario Clean Water Agency  
Agence Ontarienne Des Eaux**

## **SHELBURNE WATER SUPPLY SYSTEM**

### **Large Municipal Residential Drinking Water System**

#### **SCHEDULE 22**

#### **SUMMARY REPORT**

**For the period of**

**JANUARY 01, 2009 TO DECEMBER 31, 2009**

**Prepared by the Ontario Clean Water Agency**

**For the Town of Shelburne**

**February 23, 2010**

*[Handwritten signature]*  
Checked by  
myself  
on 2/23/10  
[Signature]

TC 1/20/10/10

## SUMMARY

This report is a summary of water quality and quantity information submitted in accordance with schedule 22 of Ontario's Drinking Water System regulation for the reporting period of January 01, 2009 to December 31, 2009 for the Shelburne Water Supply System, located in the Town of Shelburne.

The summary includes:

1. Any requirements of the Act and Regulation, Orders or System Approval (s) that the system failed to meet during the reporting period and the measures taken to correct each failure.
2. A summary of the quantities and flow rates of water supplied during the reporting period, including monthly averages and maximum daily flows.
3. A comparison of the average and monthly maximum daily flows to the approved capacity specified in the System Approval.

## ISSUES OF NON-COMPLIANCE

The following table lists the requirements of the Act, Regulations, System Approval (s) and any Order that the system failed to meet during the reporting period and the measures taken to correct each failure:

<b>Drinking Water Legislation</b>	<b>Requirement(s) the system failed to meet</b>	<b>Duration</b>	<b>Corrective Action(s)</b>	<b>Status</b>
<b>System Certificate of Approval # 3032-5RBP8E</b>	The requirements of the C of A were met during this reporting period.			
<b>Ontario Reg. 170/03</b>	All inorganic water quality monitoring requirements prescribed by legislation were not conducted within the required frequency.	October 1, 2007 to January 31, 2009	The Town of Shelburne and the Ontario Clean Water Agency shall ensure that the new sampling schedule and protocol are implemented, and that all samples are collected and analyzed as required by O. Reg. 170/03 Schedule 13.	Completed

<p><b>Ontario Reg. 170/03</b></p>	<p>All organic water quality monitoring requirements were prescribed by legislation were not conducted with the required frequency.</p>	<p>October 1, 2007 to January 31, 2009</p>	<p>The Town of Shelburne and the Ontario Clean Water Agency shall ensure that the new sampling schedule and protocol are implemented, and that all samples are collected and analyzed as required by O. Reg. 170/03 Schedule 13.</p>	<p>Completed</p>
<p><b>Ontario Reg. 170/03</b></p>	<p>All changes to the system registration information were not provided within ten (10) days of the change under Section 10.1 (3) of O. Reg. 128/04.</p>	<p>October 1, 2007 to January 31, 2009</p>	<p>The Town of Shelburne shall ensure that the system registration information is updated with ten days of issuance of this report, and they shall copy this inspector on the e-mail in order to verify completion of this item.</p>	<p>Completed</p>

<p> </p>	<p> </p>	<p> </p>	<p> </p>
<p> </p>	<p> </p>	<p> </p>	<p> </p>
<p> </p>	<p> </p>	<p> </p>	<p> </p>



<p><b>Ontario Reg. 170/03</b></p>	<p>The following instances of non-compliances were also noted during the inspection.</p> <p>1) The 2007 &amp; 2008 Annual Reports were reviewed as part of this inspection.</p> <ul style="list-style-type: none"> <li>- The system description in both reports needs to be corrected.</li> <li>- In the 2007 report, the last table had not been completed (listing parameters that exceeded half the standard).</li> <li>- In the 2008 report, one lead sampling location was omitted - there should have been 180 samples listed, not 176. Also, the distribution lead range should list 9.80 ug/L as the maximum and not 4.44 ug/L.</li> </ul> <p>2) The 2007 &amp; 2008 Summary Reports were reviewed as part of this inspection. It was noted that both summary reports compared quantities and flow rates supplied to PTTW maximum volumes and flow rates, and not the rated capacities listed in the Certificate of Approval. Also the 2007 report listed incorrect peak flow rates for April and May.</p>	<p>October 1, 2007 to January 31, 2009</p>	<p>1) The Town of Shelburne shall ensure that the 2007 &amp; 2008 Annual Reports are revised, and a letter of compliance shall be submitted to the Ministry of the Environment, by April 30, 2009.</p> <p>2) The Town of Shelburne shall ensure that the 2007 &amp; 2008 Annual Reports are revised, and a letter of compliance shall be submitted to the Ministry of the Environment, by April 30, 2009.</p>	<p>Completed</p>
<p><b>Safe Drinking Water Act</b></p>	<p>Measures were not in place to protect the water source in accordance with a Permit, Licence or Approval issued under Part V of the SDWA.</p>	<p>October 1, 2007 to January 31, 2009</p>	<p>The Town of Shelburne shall ensure that the Wellhead Inspection and Maintenance Plan is revised to include all required wells, and that the most recent findings of the Wellhead Inspection and Maintenance Plan are submitted to the Ministry of the Environment by April 30, 2009</p>	<p>Completed</p>

O. Reg. 128/04	The operations and maintenance manuals did not contain plans, drawings, and process descriptions sufficient for the safe and efficient operation of the system under Section 28 of O. Reg. 128/04	October 1, 2007 to January 31, 2009	The Town of Shelburne shall ensure that the operations manual is updated to contain process descriptions sufficient for the safe and efficient operation of the system, and a copy of the updated process description shall be submitted to the Ministry of the Environment, by April 30, 2009.	Completed
Provincial Officer's Order	There were no Provincial Officers Orders during this reporting period.			

**ASSESSMENT OF FLOW RATES AND QUANTITIES OF WATER SUPPLIED**

The following table lists the quantities and flow rates of the water supplied during the reporting period covered by this report, including monthly average and maximum daily flows and a comparison to the rated capacity and flow rates specified in the system approval:

**Summary of Raw Water Flows - Shelburne**

Well # 1 Andrew Street Pumphouse  
(Rated Capacity 2,261 m<sup>3</sup>/day)

(Rated Daily Peak 1,818 L/min)

MONTH	Avg. Daily Volume m <sup>3</sup>	% Of Approved Volume	MAX Daily Volume m <sup>3</sup> /d	% Of Approved Volume	Peak Flow Rate L/min	% Of Approved Flow Rate
JANUARY	283.39	12.53	523.90	23.17	786.0	43.23
FEBRUARY	361.85	16.00	767.30	33.94	786.0	43.23
MARCH	399.89	17.69	790.00	34.94	786.0	43.23
APRIL	516.40	22.84	959.50	42.44	786.0	43.23
MAY	545.47	24.13	827.60	36.60	786.0	43.23
JUNE	802.79	35.51	1308.70	57.88	786.0	43.23
JULY	452.85	20.03	962.60	42.57	786.0	43.23
AUGUST	592.87	26.22	904.70	40.01	786.0	43.23
SEPTEMBER	607.75	26.88	1173.70	51.91	786.0	43.23
OCTOBER	542.63	24.00	877.70	38.82	786.0	43.23
NOVEMBER	580.18	25.66	953.20	42.16	786.0	43.23
DECEMBER	530.35	23.46	744.00	32.91	786.0	43.23

Well # 2 Andrew Street Pumphouse  
(Rated Capacity 2,261 m<sup>3</sup>/day)

(Rated Daily Peak 1,818 L/min)

MONTH	Avg. Daily Volume m <sup>3</sup>	% Of Approved Volume	MAX Daily Volume m <sup>3</sup> /d	% Of Approved Volume	Peak Flow Rate L/min	% Of Approved Flow Rate
JANUARY	195.79	8.66	525.10	23.22	630.0	34.65
FEBRUARY	139.42	6.17	445.00	19.68	630.0	34.65
MARCH	103.92	4.60	544.80	24.10	630.0	34.65
APRIL	14.95	0.66	50.40	2.23	630.0	34.65
MAY	19.87	0.88	142.50	6.30	630.0	34.65
JUNE	19.45	0.86	58.80	2.60	630.0	34.65
JULY	0	-	0	-	-	-
AUGUST	0	-	0	-	-	-
SEPTEMBER	1.06	0.05	12.50	0.55	-	-
OCTOBER	1.50	0.07	11.70	0.52	-	-
NOVEMBER	1.05	0.05	8.80	0.39	-	-
DECEMBER	1.38	0.06	10.60	0.47	-	-

Well # 3 Cedar Street Pumphouse  
(Rated Capacity 1,309 m<sup>3</sup>/day)

(Rated Daily Peak 912 L/min)

MONTH	Avg. Daily Volume m <sup>3</sup>	% Of Approved Volume	MAX Daily Volume m <sup>3</sup> /d	% Of Approved Volume	Peak Flow Rate L/min	% Of Approved Flow Rate
JANUARY	536.81	41.01	783.50	59.85	768.0	84.21
FEBRUARY	566.35	43.27	823.10	62.88	768.0	84.21
MARCH	595.76	45.51	988.10	75.49	768.0	84.21
APRIL	629.21	48.07	852.40	65.12	768.0	84.21
MAY	659.34	50.37	1024.50	78.27	768.0	84.21
JUNE	348.80	26.65	899.70	68.73	768.0	84.21
JULY	647.37	49.46	998.80	76.30	768.0	84.21
AUGUST	629.78	48.11	852.80	65.15	768.0	84.21
SEPTEMBER	650.46	49.69	820.50	62.68	768.0	84.21
OCTOBER	618.04	47.21	855.80	65.38	768.0	84.21
NOVEMBER	564.70	43.14	832.10	63.57	768.0	84.21
DECEMBER	622.14	47.53	794.00	60.66	768.0	84.21

Well # 5 Fourth Line Pumphouse  
(Rated Capacity 1,987 m<sup>3</sup>/day)

(Rated Daily Peak 1,380 L/min)

MONTH	Avg. Daily Volume m <sup>3</sup>	% Of Approved Volume	MAX Daily Volume m <sup>3</sup> /d	% Of Approved Volume	Peak Flow Rate L/min	% Of Approved Flow Rate
JANUARY	395.03	19.88	730.00	36.74	1236.0	89.57
FEBRUARY	343.86	17.31	622.00	31.30	1236.0	89.57
MARCH	333.39	16.78	777.00	39.10	1236.0	89.57
APRIL	276.16	13.90	527.00	26.52	1236.0	89.57
MAY	244.41	12.30	655.00	32.96	1236.0	89.57
JUNE	405.27	20.40	1476.00	74.28	1236.0	89.57
JULY	366.32	18.44	1123.00	56.52	1236.0	89.57
AUGUST	278.29	14.01	563.00	28.33	1236.0	89.57
SEPTEMBER	331.77	16.70	767.00	38.61	1236.0	89.57
OCTOBER	266.39	13.41	721.00	36.29	1236.0	89.57
NOVEMBER	226.73	11.41	529.00	26.62	1230.0	89.57
DECEMBER	266.74	13.42	470.00	23.65	1230.0	89.57

Well # 6 Fourth Line Pumphouse  
(Rated Capacity 1,987 m<sup>3</sup>/day)

(Rated Daily Peak 1,380 L/min)

MONTH	Avg. Daily Volume m <sup>3</sup>	% Of Approved Volume	MAX Daily Volume m <sup>3</sup> /d	% Of Approved Volume	Peak Flow Rate L/min	% Of Approved Flow Rate
JANUARY	282.49	14.22	566.90	28.53	984.0	71.30
FEBRUARY	347.84	17.51	799.00	40.21	984.0	71.30
MARCH	274.44	13.81	704.20	35.44	984.0	71.30
APRIL	253.30	12.75	452.90	22.79	984.0	71.30
MAY	278.68	14.03	467.40	23.52	984.0	71.30
JUNE	407.73	20.52	1317.40	66.30	984.0	71.30
JULY	346.74	17.45	745.00	37.49	984.0	71.30
AUGUST	287.97	14.49	746.00	37.54	984.0	71.30
SEPTEMBER	221.19	11.13	457.50	23.02	984.0	71.30
OCTOBER	257.80	12.97	662.20	33.33	984.0	71.30
NOVEMBER	227.51	11.45	562.30	28.30	984.0	71.30
DECEMBER	202.06	10.17	433.60	21.82	984.0	71.30

## Revised O. Reg. 170 Section 11 Annual Report

<b>Drinking-Water System Number:</b>	220004965
<b>Drinking-Water System Name:</b>	Shelburne Water Supply System
<b>Drinking-Water System Owner:</b>	The Corporation of the Town of Shelburne
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1, 2009 – December 31, 2009

<p><b><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></b></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: 10px;">             Office of Town of Shelburne              203 Main St East              Shelburne              Ontario, L0N 1S0         </div>	<p><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served:  <div style="border: 1px solid black; padding: 2px; width: 100px; margin: 5px auto;">N/A</div> </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:  <div style="border: 1px solid black; padding: 2px; width: 100px; margin: 5px auto;">N/A</div> </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>
---	---

**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 [ ] Not Applicable [X]

**Indicate how you notified system users that your annual report is available, and is free of charge.**

- [X] Public access/notice via the web
- [X] Public access/notice via Government Office
- [X] Public access/notice via a newspaper
- [X] Public access/notice via Public Request
- [ ] Public access/notice via a Public Library
- [ ] Public access/notice via other method \_\_\_\_\_

## Revised O. Reg. 170 Section 11 Annual Report

### Describe your Drinking-Water System

The Town of Shelburne's water is derived from five drilled groundwater wells, noted as well numbers 1, 2, 3, 5 and 6. Water from these wells is pumped into the distribution system, which consists of approximately 28.3 kilometers of watermain and into the Town's elevated storage reservoir.

Shelburne's groundwater wells, draws its water from underground aquifers, which are generally protected from above-ground sources of contamination by overlying layers of clay. To prevent the direct entry of surface water or foreign materials into these wells all wellheads are maintained and secure.

Primary disinfection is achieved by the addition of sodium hypochlorite for Well # 3, 5, and 6 with contact time. At Pumphouse PH 1/2, a complete two-stage primary disinfection system consisting of UV light combined with chemical disinfection is necessary to ensure that the water is adequately treated for consumption. Secondary disinfection is achieved through Primary Disinfection at all wells supplying the Shelburne Water System.

Residual chlorine levels are maintained in the distribution system to effectively provide secondary disinfection throughout the system.

Shelburne's ground water supply contains high iron levels and is an aesthetic concern due to its potential for staining of fixtures and clothing. To control the release of iron into the water Shelburne's raw water goes through another step in treatment called iron sequestering (Calciquest).

### List all water treatment chemicals used over this reporting period

Sodium Hypochlorite (12% solution) - disinfection  
 Calciquest (28% solution) - iron sequestering

### 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 incur

### 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
Sept 24/09	Electrical/ Instrumentation	0.0 Treated Water (free chlorine residual)	mg/L	Well shut down & system flushed. SCADA technician/ electrician diagnosed & repaired problem.	Sept 24/09

## Revised O. Reg. 170 Section 11 Annual Report

Microbiological testing done under Schedule 10 of Regulation 170/03, during this reporting period.

	# of Samples	E.Coli (min -max)	Total Coliform (min - max)	# of HPC Samples	HPC (min - max)
Raw	247	0-1.0	0-10.0	N/A	N/A
Treated	229	0-0	0-0	229	0-12.0
Distribution	172	0-0	0-0	172	0-2.0

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

Parameter	Number of Grab Samples	Range of Results (min #)-(max #)
<b>Raw Water</b>		
Turbidity (Well #1)	12	0.07-0.37 NTU's
Turbidity (Well #2) (o/s)	12	0.11-7.25 NTU's
Turbidity (Well #3)	12	0.10-0.57 NTU's
Turbidity (Well #5)	12	0.08-0.63 NTU's
Turbidity (Well #6)	12	0.08-0.21 NTU's
<b>Treated Water</b>		
Chlorine Residual (Andrew Street) (free)	8760	0.62-2.00 mg/L
Chlorine Residual (Cedar Street) (free)	8760	0.40-1.98 mg/L
Chlorine Residual (Fourth Line) (free)	8760	0.00-1.90 mg/L
<b>Distribution System</b>		
Chlorine Residual (free)	366	0.24-1.56 mg/L

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.

Date 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
<b>ANDREW STREET PUMPHOUSE (WELL 1 /2)</b>				
		Well1/Well2		
Antimony	Mar 03/09 & 29/07	0.18 / <0.20	ug/l	No
Arsenic	Jan 19 /09 Apr 06/09 Jul 13/09 Oct 19/09	7.7 4.8 2.2 1.5	ug/l	No
Barium	Mar 03/09 & 29/07	116 / 115	ug/l	No
Boron	Mar 03/09 & Jan 29/07	36.2 / 32	ug/l	No
Cadmium	Mar 03/09 &	0.040 / <0.06	ug/l	No

**Revised O. Reg. 170 Section 11 Annual Report**

	Jan 29/07			
<b>Chromium</b>	Mar 03/09 & Jan 29/07	1.5 / 1.4	ug/l	No
<b>Lead Distribution</b>	Mar 10/09	1.30	ug/l	No
<b>Mercury</b>	Mar 03/09 & Jan 29/07	<0.02 / 0.02	ug/l	No
<b>Selenium</b>	Mar 03/09 & Jan 29/07	< 1.0 / <1.0	ug/l	No
<b>Sodium</b>	Jan 17/08	61.5	mg/l	Yes
<b>Uranium</b>	Mar 03/09 & Jan 29/07	1.08 / 1.13	ug/l	No
<b>Fluoride</b>	Jan 17/08	0.84	mg/l	No
<b>ANDREW STREET PUMPHOUSE (WELL 1/2) CON'T</b>				
<b>Nitrite</b>	Jan 19/09 Apr 06/09 Jul 13/09 Oct 19/09	0.005 0.005 0.005 0.005	mg/l	No
<b>Nitrate</b>	Jan 19/09 Apr 06/09 Jul 13/09 Oct 19/09	0.669 0.536 0.582 0.386	mg/l	No

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
<b>CEDAR STREET PUMPHOUSE (WELL 3)</b>				
<b>Antimony</b>	Jan 29/07	<0.2	ug/l	No
<b>Arsenic</b>	Jan 19/09 Apr 06/09 Jul 13/09 Oct 19/09	10.4 10.8 10.8 10.1	ug/l ug/l ug/l ug/l ug/l	No
<b>Barium</b>	Jan 29/07	131	ug/l	No
<b>Boron</b>	Jan 29/07	26	ug/l	No
<b>Cadmium</b>	Jan 29/07	<0.06	ug/l	No
<b>Chromium</b>	Jan 29/07	<1.0	ug/l	No
<b>Lead Distribution</b>	Mar 10/09	1.30	ug/l	No
<b>Mercury</b>	Jan 29/07	<0.02	ug/l	No
<b>Selenium</b>	Jan 29/07	<1	ug/l	No
<b>Sodium</b>	Jan 17/08	10.2	mg/l	No
<b>Uranium</b>	Jan 29/07	0.77	ug/l	No
<b>Fluoride</b>	Jan 17/08	0.94	mg/l	No
<b>Nitrite</b>	Jan 19/09 Apr 27/09 Jul 13/09 Oct 19/09	0.005 0.005 0.005 0.005	mg/l	No
<b>Nitrate</b>	Jan 19/09 Apr 27/09	0.069 0.013	mg/l	No



## Revised O. Reg. 170 Section 11 Annual Report

	Jul 13/09	0.013		
	Oct 19/09	0.013		

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
<b>FOURTH LINE PUMPHOUSE (WELL 5 &amp; 6)</b>				
Antimony	Jan 29/07	<0.2	ug/l	No
Arsenic	Jan 19/09	13.1	ug/l	No
	Apr 06/09	13.7	ug/l	No
	Jul 13/09	14.2	ug/l	
	Oct 19/09	13.6	ug/l	
Barium	Jan 29/07	115	ug/l	No
Boron	Jan 29/07	28	ug/l	No
Cadmium	Jan 29/07	<0.06	ug/l	No
Chromium	Jan 29/07	<1	ug/l	No
Lead Distribution	Mar 10/09	1.30	ug/l	No
Mercury	Jan 29/07	<0.02	ug/l	No
Selenium	Jan 29/07	<1	ug/l	No
Sodium	Jan 17/08	9.5	mg/l	No
Uranium	Jan 29/07	0.60	ug/l	No
Fluoride	Jan 17/08	0.98	mg/l	No
Nitrite	Jan 19/09	0.005	mg/l	No
	Apr 27/09	0.005		
	Jul 13/09	0.005		
	Oct 19/09	0.005		
Nitrate	Jan 19/09	0.303	mg/l	No
	Apr 27/09	0.013		
	Jul 13/09	0.013		
	Oct 19/09	0.013		

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	Number of Samples	Range of Lead Results (min#) – (max #)	Number of Exceedances
Plumbing			
Distribution			

- 0 sampling points with 2 samples per point (plumbing per session)