



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

Date: Feb 22, 2010

## OPTIONAL ANNUAL REPORT TEMPLATE

<b>Drinking-Water System Number:</b>	210000924
<b>Drinking-Water System Name:</b>	Point Edward Water Distribution System
<b>Drinking-Water System Owner:</b>	Village of Point Edward
<b>Drinking-Water System Category:</b>	Municipal
<b>Period being reported:</b>	Jan 1 to 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;"> <p>Village of Point Edward 135 Kendall Street, Point Edward</p> </div>	<p><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served:  <div style="border: 1px solid black; display: inline-block; padding: 2px 10px;">2</div> </p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [ X ] No [ ]</p> <p>Number of Interested Authorities you report to: <div style="border: 1px solid black; display: inline-block; padding: 2px 10px;">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 [ ] N/A</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 [ ]



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 Municipal Office**

**Describe your Drinking-Water System**

“The Point Edward Distribution System receives all of it’s water from the Lambton Area Water Supply of Point Edward. The distribution system consists of approximately 22 kilometer of water mains and 136 hydrants (owned by the Village, LAWAA and privately. The major of the water mains in the system are composed of polyvinyl chloride (PVC) and ductile iron. Older water mains are cast iron construction and there is one small section of transite water mains. The age of the distribution system varies greatly, The Village operates, repair and maintains the distribution system and OCWA has been contracted to perform the sampling”.

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

**Sodium Hypochlorite – Disinfection at watermain breaks**

**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**

<b>Watermain breaks repair cost</b>	<b>\$ 14,426</b>
<b>Point Edward’s share to LAWSS operating cost</b>	<b>\$ 96,867</b>
<b>Point Edward’s share to LAWSS capital cost</b>	<b>\$ 48,420</b>
<b>Point Edward’s share to LAWSS debenture reduction</b>	<b>\$ 48,151</b>
<b>Point Edward’s share to LAWSS debenture interest</b>	<b>\$ 44,668</b>
<b>Point Edward’s Total Cost For Water</b>	<b>\$448,352</b>

**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**

<b>Incident Date</b>	<b>Parameter</b>	<b>Result</b>	<b>Unit of Measure</b>	<b>Corrective Action</b>	<b>Corrective Action Date</b>
<b>None</b>					

**Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period. LAWSS**

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number Of Background Samples	Range of Background Results (min#-max#)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
<b>Raw</b>	52	0-7cfu/100mL	0-36cfu/100mL	52	0-2100cfu/100mL		
<b>Treated</b>	52	0-0cfu/100mL	0-0cfu/100mL	52	0-22cfu/100mL	52	<10-340cfu/1mL

**Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report. LAWSS**

	Number of Grab Samples	Range of Results (min #)-(max #)
<b>Turbidity</b>	<b>8760</b>	<b>0.02-2.01 NTU</b>
<b>Chlorine</b>	<b>8760</b>	<b>1.31-1.88mg/L</b>
<b>Fluoride (If the DWS provides fluoridation)</b>	<b>8760</b>	<b>0.19-0.97mg/L</b>

*NOTE: For continuous monitors use 8760 as the number of samples.*

**Note: The fluoridation system was out of service due to maintenance on April 6/08; July 10/08; Aug. 12/08; Nov7/08;Dec 22/08**

Water testing done in Point Edward

**Microbiological testing done under section 8 (2) during this reporting period**

	Number of Samples	Range of E.Coli or Fecal Results (#-#)	Range of Total Coliform Results (#-#)	Number of HPC Samples	Range of HPC Results (#-#)
<b>Raw</b>					
<b>Treated</b>					
<b>Distribution</b>	152	0	0	51	<10 – 30

**Operational testing done under Schedule 7, 8 or 9 during the period covered by this Annual Report. Point Edward**

	Number of Grab Samples	Range of Results (#-#)
<b>THM</b>	<b>4</b>	<b>16.65 ug/l</b>
<b>Chlorine</b>	<b>824</b>	<b>.40 - 1.70 mg/l</b>
<b>Lead</b>	<b>0 *</b>	

Point Edward is under the reduced testing and next round of test is Dec. 2010

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

**recent sample results**

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	*Jan –Dec/09	0.10-0.12	ppb	No
Arsenic	*Jan –Dec/09	0.4-0.5	ppb	No
Barium	*Jan –Dec/09	13.7-14.3	ppb	No
Boron	*Jan –Dec/09	14.2-17.3	ppb	No
Cadmium	*Jan –Dec/09	<0.003	ppb	No
Chromium	*Jan –Dec/09	<0.5-0.9	ppb	No
Mercury	*Jan –Dec/09	<0.02	ppb	No
Selenium	*Jan –Dec/09	<1	ppb	No
Sodium	*Jan –Dec/09	5.67-6.09	mg/L	No
Uranium	*Jan –Dec/09	.131-.175	ppb	No
Nitrite	*Jan –Dec/09	< 0.005	mg/L	No
Nitrate	*Jan –Dec/09	0.285-.348	mg/L	No

\*Note: Inorganic parameters are tested quarterly. If a parameter was/is detectable the range of detection has been provided and reported in the table above. Also: for interpretation purposes the less than sign (<) indicates the parameter was not detectable at the method detection level.

\*\*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems

**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	N/A		
Distribution	N/A		

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

**recent sample results**

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	*Jan –Dec/09	< 0.11	ppb	No
Aldicarb	*Jan –Dec/09	< 0.30	ppb	No
Aldrin + Dieldrin	*Jan –Dec/09	< 0.067	ppb	No
Atrazine + N-dealkylated metabolites	*Jan –Dec/09	< 0.12	ppb	No
Azinphos-methyl	*Jan –Dec/09	< 0.21	ppb	No
Bendiocarb	*Jan –Dec/09	< 0.13	ppb	No



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

<b>Benzene</b>	*Jan –Dec/09	< 0.37	ppb	No
<b>Benzo(a)pyrene</b>	*Jan –Dec/09	< 0.004	ppb	No
<b>Bromoxynil</b>	*Jan –Dec/09	< 0.33	ppb	No
<b>Carbaryl</b>	*Jan –Dec/09	<0.16	ppb	No
<b>Carbofuran</b>	*Jan –Dec/09	< 0.37	ppb	No
<b>Carbon Tetrachloride</b>	*Jan –Dec/09	< 0.41	ppb	No
<b>Chlordane (Total)</b>	*Jan –Dec/09	< 0.11	ppb	No
<b>Chlorpyrifos</b>	*Jan –Dec/09	< 0.18	ppb	No
<b>Cyanazine</b>	*Jan –Dec/09	< 0.18	ppb	No
<b>Diazinon</b>	*Jan –Dec/09	< 0.081	ppb	No
<b>Dicamba</b>	*Jan –Dec/09	< 0.2	ppb	No
<b>1,2-Dichlorobenzene</b>	*Jan –Dec/09	< 0.5	ppb	No
<b>1,4-Dichlorobenzene</b>	*Jan –Dec/09	< 0.21	ppb	No
<b>Dichlorodiphenyltrichloroethane (DDT) + metabolites</b>	*Jan –Dec/09	< 0.14	ppb	No
<b>1,2-Dichloroethane</b>	*Jan –Dec/09	< 0.43	ppb	No
<b>1,1-Dichloroethylene (vinylidene chloride)</b>	*Jan –Dec/09	< 0.41	ppb	No
<b>Dichloromethane</b>	*Jan –Dec/09	< 0.34	ppb	No
<b>2-4 Dichlorophenol</b>	*Jan –Dec/09	< 0.15	ppb	No
<b>2,4-Dichlorophenoxy acetic acid (2,4-D)</b>	*Jan –Dec/09	< 0.19	ppb	No
<b>Diclofop-methyl</b>	*Jan –Dec/09	< 0.4	ppb	No
<b>Dimethoate</b>	*Jan –Dec/09	< 0.12	ppb	No
<b>Dinoseb</b>	*Jan –Dec/09	< 0.36	ppb	No
<b>Diquat</b>	*Jan –Dec/09	< 1.0	ppb	No
<b>Diuron</b>	*Jan –Dec/09	< 0.087	ppb	No
<b>Glyphosate</b>	*Jan –Dec/09	< 6	ppb	No
<b>Heptachlor + Heptachlor Epoxide</b>	*Jan –Dec/09	< 0.11	ppb	No
<b>Lindane (Total)</b>	*Jan –Dec/09	< 0.056	ppb	No
<b>Malathion</b>	*Jan –Dec/09	< 0.91	ppb	No
<b>Methoxychlor</b>	*Jan –Dec/09	< 0.14	ppb	No
<b>Metolachlor</b>	*Jan –Dec/09	< 0.092	ppb	No
<b>Metribuzin</b>	*Jan –Dec/09	< 0.12	ppb	No
<b>Monochlorobenzene</b>	*Jan –Dec/09	< 0.58	ppb	No
<b>Paraquat</b>	*Jan –Dec/09	< 1	ppb	No
<b>Parathion</b>	*Jan –Dec/09	< 0.18	ppb	No
<b>Pentachlorophenol</b>	*Jan –Dec/09	< 0.15	ppb	No
<b>Phorate</b>	*Jan –Dec/09	< 0.11	ppb	No
<b>Picloram</b>	*Jan –Dec/09	< 0.25	ppb	No
<b>Polychlorinated Biphenyls(PCB)</b>	*Jan –Dec/09	< 0.04	ppb	No

<b>Prometryne</b>	*Jan – Dec/09	< 0.23	ppb	No
<b>Simazine</b>	*Jan – Dec/09	< 0.15	ppb	No
<b>THM</b> (NOTE: show latest annual average)	*Jan – Dec/09	37.7	ppb	No
<b>Temephos</b>	*Jan – Dec/09	< 0.31	ppb	No
<b>Terbufos</b>	*Jan – Dec/09	< 0.12	ppb	No
<b>Tetrachloroethylene</b>	*Jan – Dec/09	< 0.45	ppb	No
<b>2,3,4,6-Tetrachlorophenol</b>	*Jan – Dec/09	< 0.14	ppb	No
<b>Triallate</b>	*Jan – Dec/09	< 0.1	ppb	No
<b>Trichloroethylene</b>	*Jan – Dec/09	< 0.38	ppb	No
<b>2,4,6-Trichlorophenol</b>	*Jan – Dec/09	< 0.25	ppb	No
<b>2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)</b>	*Jan – Dec/09	< 0.22	ppb	No
<b>Trifluralin</b>	*Jan – Dec/09	< 0.12	ppb	No
<b>Vinyl Chloride</b>	*Jan – Dec/09	< 0.17	ppb	No

**\*Note: Organic parameters are tested quarterly. If a parameter was/is detectable the range of detection has been provided and reported in the table above. Also: for interpretation purposes the less than sign (<) indicates the parameter was not detectable at the method detection level.**