

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

<b>Drinking-Water System Number:</b>	210001022
<b>Drinking-Water System Name:</b>	Lansdowne
<b>Drinking-Water System Owner:</b>	Township of Leeds and The Thousand Islands
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1 to December 31, 2008

<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;">                 Available at the Township of Leeds &amp; the Thousands Islands Office, 1 Jessie Street, Lansdowne, Ontario.             </div>	<p><b><u>Complete for all other Categories.</u></b></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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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	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 [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 Attached to water billing statement**

**Describe your Drinking-Water System**

As water is used throughout the distribution system, and the level of the water in the standpipe falls to a preset limit, a well pump starts. Groundwater is pumped through the Well house where Sodium Hypochlorite is added. The water is directed through a feeder main to refill the standpipe.

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

Sodium hypochlorite was used at an average dosage rate of 1.98 mg/L.

**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**

Rebuilt 3 fire hydrants  
 Installed water standpipe fall arrest system  
 Repaired 4 water main access boxes

**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
Feb.11/08	Pump 12 m <sup>3</sup> Un-chlorinated water	n/a	n/a	Reconfigure Pump Starter	Feb.15/08

**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 #)
<b>Raw</b>	360	0-3	0-33	n/a	n/a
<b>Treated</b>	160	0-0	0-0	53	0-600
<b>Distribution</b>	380	0-0	0-0	58	0->2000

**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 #)
<b>Turbidity</b>	24	0.061 - 0.65 NTU
<b>Chlorine</b>	8760	0.49 - 4.00 mg/L
<b>Fluoride</b>	n/a	n/a

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

**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	Minimum Sample Date	Maximum Sample Date	Minimum Value	Maximum Value	Unit of Measure	Exceedance
<b>Antimony</b>	01/25/2006	01/25/2006	0.001	0.001	mg/L	No
<b>Arsenic</b>	01/25/2006	01/25/2006	<0.001	<0.001	mg / L	No
<b>Barium</b>	01/25/2006	01/25/2006	0.169	0.169	mg / L	No
<b>Boron</b>	01/25/2006	01/25/2006	0.041	0.041	mg / L	No
<b>Cadmium</b>	01/25/2006	01/25/2006	<0.0001	<0.0001	mg / L	No
<b>Chromium</b>	01/25/2006	01/25/2006	<0.002	<0.002	mg / L	No
<b>*Lead</b>	n/a	n/a	n/a	n/a	mg / L	No
<b>Mercury</b>	01/25/2006	01/25/2006	<0.00006	<0.00006	mg / L	No
<b>Selenium</b>	01/25/2006	01/25/2006	<0.001	<0.001	mg / L	No
<b>Sodium</b>	01/22/2007	02/05/2007	61.2	62.6	mg / L	Yes
<b>Uranium</b>	01/25/2006	01/25/2006	0.0017	0.0017	mg / L	No
<b>Fluoride</b>	01/15/2007	01/15/2007	0.3	0.3	mg / L	No
<b>Nitrite</b>	01/02/2008	10/27/2008	<0.1	<0.1	mg / L	No
<b>Nitrate</b>	04/21/2008	10/27/2008	0.9	1.7	mg / L	No

**Summary of lead testing under Schedule 15.1 during this reporting period**

Location Type	Number of Samples	Range of Lead Results (min#) – (max #)	Number of Exceedances
Plumbing	90	<0.001-0.012	2
Distribution	8	<0.001-<0.001	0

**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	01/25/2006	<0.3	ug / L	No
Aldicarb	01/25/2006	<3	ug / L	No
Aldrin + Dieldrin	01/25/2006	<0.02	ug / L	No
Atrazine + N-dealkylated metabolites	01/25/2006	<0.5	ug / L	No
Azinphos-methyl	01/25/2006	<1	ug / L	No
Bendiocarb	01/25/2006	<3	ug / L	No
Benzene	01/25/2006	<0.5	ug / L	No
Benzo(a)pyrene	01/25/2006	<0.005	ug / L	No
Bromoxynil	01/25/2006	<0.3	ug / L	No
Carbaryl	01/25/2006	<3	ug / L	No
Carbofuran	01/25/2006	<1	ug / L	No
Carbon Tetrachloride	01/25/2006	<0.2	ug / L	No
Chlordane (Total)	01/25/2006	<0.04	ug / L	No
Chlorpyrifos	01/25/2006	<0.5	ug / L	No
Cyanazine	01/25/2006	<0.5	ug / L	No
Diazinon	01/25/2006	<1	ug / L	No
Dicamba	01/25/2006	<5	ug / L	No
1,2-Dichlorobenzene	01/25/2006	<0.1	ug / L	No
1,4-Dichlorobenzene	01/25/2006	<0.2	ug / L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	01/25/2006	<0.1	ug / L	No
1,2-Dichloroethane	01/25/2006	<0.1	ug / L	No
1,1-Dichloroethylene (vinylidene chloride)	01/25/2006	<0.1	ug / L	No
Dichloromethane	01/25/2006	<0.3	ug / L	No
2-4 Dichlorophenol	01/25/2006	<0.1	ug / L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	01/25/2006	<5	ug / L	No
Diclofop-methyl	01/25/2006	<0.4	ug / L	No
Dimethoate	01/25/2006	<1	ug / L	No
Dinoseb	01/25/2006	<0.5	ug / L	No
Diquat	01/25/2006	<5	ug / L	No
Diuron	01/25/2006	<5	ug / L	No
Glyphosate	01/25/2006	<25	ug / L	No
Heptachlor + Heptachlor Epoxide	01/25/2006	<0.1	ug / L	No
Lindane (Total)	01/25/2006	<0.1	ug / L	No
Malathion	01/25/2006	<5	ug / L	No
Methoxychlor	01/25/2006	<0.1	ug / L	No
Metolachlor	01/25/2006	<3	ug / L	No
Metribuzin	01/25/2006	<3	ug / L	No

<b>Monochlorobenzene</b>	01/25/2006	<0.2	ug / L	No
<b>Paraquat</b>	01/25/2006	<1	ug / L	No
<b>Parathion</b>	01/25/2006	<3	ug / L	No
<b>Pentachlorophenol</b>	01/25/2006	<0.1	ug / L	No
<b>Phorate</b>	01/25/2006	<0.3	ug / L	No
<b>Picloram</b>	01/25/2006	<5	ug / L	No
<b>Polychlorinated Biphenyls(PCB)</b>	01/25/2006	<0.05	ug / L	No
<b>Prometryne</b>	01/25/2006	<0.1	ug / L	No
<b>Simazine</b>	01/25/2006	<0.5	ug / L	No
<b>THM</b> (NOTE: show latest annual average)	10/27/2008	11.3	ug / L	No
<b>Temephos</b>	01/25/2006	<10	ug / L	No
<b>Terbufos</b>	01/25/2006	<0.3	ug / L	No
<b>Tetrachloroethylene</b>	01/25/2006	<0.2	ug / L	No
<b>2,3,4,6-Tetrachlorophenol</b>	01/25/2006	<0.1	ug / L	No
<b>Triallate</b>	01/25/2006	<10	ug / L	No
<b>Trichloroethylene</b>	01/25/2006	<0.1	ug / L	No
<b>2,4,6-Trichlorophenol</b>	01/25/2006	<0.1	ug / L	No
<b>2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)</b>	01/25/2006	<10	ug / L	No
<b>Trifluralin</b>	01/25/2006	<0.5	ug / L	No
<b>Vinyl Chloride</b>	01/25/2006	<0.2	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
n/a			