Ontario

Ministry of the Environment | Ministère de l'Environnement

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

Drinking-Water System Number:	210001022
Drinking-Water System Name:	Lansdowne
Drinking-Water System Owner:	Township of Leeds and The Thousand Islands
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1 to December 31, 2009

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.

Available at the Township of Leeds & the Thousands Islands Office, 1 Jessie Street, Lansdowne, Ontario.

Complete for all other Categories.

Number of Designated Facilities served:

Did you provide a copy of your annual report to all Designated Facilities you serve?
Yes [ ] No [ ]

Number of Interested Authorities you report to:

Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?
Yes [ ] No [ ]

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.

[x] Public access/notice via the web
[x] 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
[x] 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 1.96 mg/L.

Were any significant expenses incurred to?

[ ] Install required equipment
[x] Repair required equipment
[x] Replace required equipment

Please provide a brief description and a breakdown of monetary expenses incurred

Rebuild 3 fire hydrants
Rebuild chemical solution pump
Repair 2 main stop valves
Prince street valve box rehabilitation

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
May 25/09	Total Coliform	1	cfu/100mL	Resample	May 27/09

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	364	0-0	0-4	n/a	n/a
Treated	158	0-0	0-1	52	0-50
Distribution	368	0-0	0-0	52	0-50

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	24	0.14 - 1.18 NTU
Chlorine	8760	0.65 - 3.99 mg/L
Fluoride	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
Antimony	01/14/2009	01/14/2009	<0.0001	<0.0001	mg / L	No
Arsenic	01/14/2009	01/14/2009	0.0003	0.0003	mg / L	No
Barium	01/14/2009	01/14/2009	0.143	0.143	mg / L	No
Boron	01/14/2009	01/14/2009	0.027	0.027	mg / L	No
Cadmium	01/14/2009	01/14/2009	<0.00002	<0.00002	mg / L	No
Chromium	01/14/2009	01/14/2009	<0.002	<0.002	mg / L	No
***Lead**	n/a	n/a	n/a	n/a	mg / L	No
Mercury	01/14/2009	01/14/2009	<0.00002	<0.00002	mg / L	No
Selenium	01/14/2009	01/14/2009	0.0012	0.0012	mg / L	No
Sodium	01/22/2007	02/05/2007	61.2	62.6	mg / L	Yes
Uranium	01/14/2009	01/14/2009	0.00164	0.00164	mg / L	No
Fluoride	01/15/2007	01/15/2007	0.3	0.3	mg / L	No
Nitrite	01/14/2009	10/05/2009	<0.1	<0.1	mg / L	No
Nitrate	04/14/2009	10/05/2009	1.1	1.7	mg / L	No

*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	44	<0.001 – 0.003 mg / L	0
Distribution	4	<0.001 - <0.001 mg / L	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	01/14/2009	<0.3	µg / L	No
Aldicarb	01/14/2009	<3	µg / L	No
Aldrin + Dieldrin	01/14/2009	<0.02	µg / L	No
Atrazine + N-dealkylated metobolites	01/14/2009	<0.5	µg / L	No
Azinphos-methyl	01/14/2009	<1	µg / L	No
Bendiocarb	01/14/2009	<3	µg / L	No
Benzene	01/14/2009	<0.5	µg / L	No
Benzo(a)pyrene	01/14/2009	<0.005	µg / L	No
Bromoxynil	01/14/2009	<0.3	µg / L	No
Carbaryl	01/14/2009	<3	µg / L	No
Carbofuran	01/14/2009	<1	µg / L	No
Carbon Tetrachloride	01/14/2009	<0.2	µg / L	No
Chlordane (Total)	01/14/2009	<0.04	µg / L	No
Chlorpyrifos	01/14/2009	<0.5	µg / L	No
Cyanazine	01/14/2009	<0.5	µg / L	No
Diazinon	01/14/2009	<1	µg / L	No
Dicamba	01/14/2009	<5	µg / L	No
1,2-Dichlorobenzene	01/14/2009	<0.1	µg / L	No
1,4-Dichlorobenzene	01/14/2009	<0.2	µg / L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	01/14/2009	<0.1	µg / L	No
1,2-Dichloroethane	01/14/2009	<0.1	µg / L	No
1,1-Dichloroethylene (vinylidene chloride)	01/14/2009	<0.1	µg / L	No
Dichloromethane	01/14/2009	<0.3	µg / L	No
2-4 Dichlorophenol	01/14/2009	<0.1	µg / L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	01/14/2009	<5	µg / L	No
Diclofop-methyl	01/14/2009	<0.5	µg / L	No
Dimethoate	01/14/2009	<1	µg / L	No
Dinoseb	01/14/2009	<0.5	µg / L	No
Diquat	01/14/2009	<5	µg / L	No
Diuron	01/14/2009	<5	µg / L	No
Glyphosate	01/14/2009	<25	µg / L	No
Heptachlor + Heptachlor Epoxide	01/14/2009	<0.1	µg / L	No
Lindane (Total)	01/14/2009	<0.1	µg / L	No
Malathion	01/14/2009	<5	µg / L	No
Methoxychlor	01/14/2009	<0.1	µg / L	No

Metolachlor	01/14/2009	<3	µg / L	No
Metribuzin	01/14/2009	<3	µg / L	No
Monochlorobenzene	01/14/2009	<0.2	µg / L	No
Paraquat	01/14/2009	<1	µg / L	No
Parathion	01/14/2009	<3	µg / L	No
Pentachlorophenol	01/14/2009	<0.1	µg / L	No
Phorate	01/14/2009	<0.3	µg / L	No
Picloram	01/14/2009	<5	µg / L	No
Polychlorinated Biphenyls(PCB)	01/14/2009	<0.05	µg / L	No
Prometryne	01/14/2009	<0.1	µg / L	No
Simazine	01/14/2009	<0.5	µg / L	No
THM (NOTE: show latest annual average)	10/05/2009	15.73	µg / L	No
Temephos	01/14/2009	<10	µg / L	No
Terbufos	01/14/2009	<0.3	µg / L	No
Tetrachloroethylene	01/14/2009	<0.2	µg / L	No
2,3,4,6-Tetrachlorophenol	01/14/2009	<0.1	µg / L	No
Triallate	01/14/2009	<10	µg / L	No
Trichloroethylene	01/14/2009	<0.1	µg / L	No
2,4,6-Trichlorophenol	01/14/2009	<0.1	µg / L	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	01/14/2009	<10	µg / L	No
Trifluralin	01/14/2009	<0.5	µg / L	No
Vinyl Chloride	01/14/2009	<0.2	µg / 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			