

**Part III Form 2  
Section 11. ANNUAL REPORT.**

<b>Drinking-Water System Number:</b>	260009490
<b>Drinking-Water System Name:</b>	Long Lake Public School
<b>Drinking-Water System Owner:</b>	Rainbow District School Board
<b>Drinking-Water System Category:</b>	Small Non-Municipal Non-Residential
<b>Period being reported:</b>	April 1, 2007 – March 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 [ ]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [ ] 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; height: 100px; width: 100%;"></div>	<p><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served: <input type="text" value="One"/></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: <input type="text" value="One"/></p> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [ X ] 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 [ ]

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 – Notice Posted at School

**Describe your Drinking-Water System**

The water supply system consists of a 50 mm bedrock well, a storage/mixing tank, pressure tank, chlorination system and two pumps and piping. A jet pump is employed to pump the groundwater into a storage/mixing tank. A piston pump provides the necessary pressure for the distribution system. The chlorination system consists of a solution tank and a metering pump.

The metering pump, which starts and stops with the jet pump, injects the chlorine solution into the water supply in proportion to the flow rate. The solution is stored in a separate solution tank.

In 2005 an arsenic removal system was commissioned, along with a water softener system. Subsequently arsenic levels have been reduced below the Maximum Acceptable Concentration of 25 ug/L and also below the proposed new MAC of 10 ug/l.

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

Sodium Hypochlorite 12%  
Potassium Permanganate

**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**

**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
Oct 31, 2007	Arsenic	33.2	Ug/l	Re-sampled and flushed	Nov 13, 2007

**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		
Treated	N/A				
Distribution	31	0-0	0-0	31	0-33

**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 #)
Chlorine	8760	0.00 – 5.02
Well Turbidity	12	0.25 – 0.50 NTU

*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

**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	Feb 28, 2005	0.6	ug/l	No
Arsenic	May 14, 2008	2.1	ug/l	No
Barium	Jan 25, 2005	32	ug/l	No
Boron	Jan 25, 2005	35	ug/l	No
Cadmium	Jan 25, 2005	<0.1	ug/l	No
Chromium	Jan 25, 2005	<3	ug/l	No
Lead (Standing) Lead (Flushing)	Aug 13, 2007	3 <1	ug/l ug/l	No
Mercury	Jan 25, 2005	<0.02	ug/l	No
Selenium	Jan 25, 2005	<3	ug/l	No
Sodium	Jan 30, 2006	15.7	mg/l	No
Uranium	Jan 25, 2005	1.93	ug/l	No

<b>Fluoride</b>	Jan 30, 2006	0.1	mg/l	No
<b>Nitrite</b>	Jan 17, 2008	<0.005	mg/l	No
<b>Nitrate</b>	Jan 17, 2008	<0.013	mg/l	No

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

<b>Parameter</b>	<b>Sample Date</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Exceedance</b>
<b>Alachlor</b>	Jan 25, 2005	<0.11	ug/l	No
<b>Aldicarb</b>	Jan 25, 2005	<0.30	ug/l	No
<b>Aldrin + Dieldrin</b>	Jan 25, 2005	<0.067	ug/l	No
<b>Atrazine + N-dealkylated metabolites</b>	Jan 25, 2005	<0.12	ug/l	No
<b>Azinphos-methyl</b>	Jan 25, 2005	<0.21	ug/l	No
<b>Bendiocarb</b>	Jan 25, 2005	<0.13	ug/l	No
<b>Benzene</b>	Jan 25, 2005	<0.36	ug/l	No
<b>Benzo(a)pyrene</b>	Jan 25, 2005	<0.004	ug/l	No
<b>Bromoxynil</b>	Jan 25, 2005	<0.094	ug/l	No
<b>Carbaryl</b>	Jan 25, 2005	<0.13	ug/l	No
<b>Carbofuran</b>	Jan 25, 2005	<0.16	ug/l	No
<b>Carbon Tetrachloride</b>	Jan 25, 2005	<0.34	ug/l	No
<b>Chlordane (Total)</b>	Jan 25, 2005	<0.2	ug/l	No
<b>Chlorpyrifos</b>	Jan 25, 2005	<1.2	ug/l	No
<b>Cyanazine</b>	Jan 25, 2005	<0.079	ug/l	No
<b>Diazinon</b>	Jan 25, 2005	<0.41	ug/l	No
<b>Dicamba</b>	Jan 25, 2005	<0.9	ug/l	No
<b>1,2-Dichlorobenzene</b>	Jan 25, 2005	<0.56	ug/l	No
<b>1,4-Dichlorobenzene</b>	Jan 25, 2005	<0.25	ug/l	No
<b>Dichlorodiphenyltrichloroethane (DDT) + metabolites</b>	Jan 25, 2005	<0.46	ug/l	No
<b>1,2-Dichloroethane</b>	Jan 25, 2005	<0.32	ug/l	No
<b>1,1-Dichloroethylene (vinylidene chloride)</b>	Jan 25, 2005	<0.52	ug/l	No
<b>Dichloromethane</b>	Jan 25, 2005	<1.17	ug/l	No
<b>2,4 Dichlorophenol</b>	Jan 25, 2005	<0.15	ug/l	No
<b>2,4-Dichlorophenoxy acetic acid (2,4-D)</b>	Jan 25, 2005	<0.33	ug/l	No
<b>Diclofop-methyl</b>	Jan 25, 2005	<0.84	ug/l	No
<b>Dimethoate</b>	Jan 25, 2005	<0.1	ug/l	No
<b>Dinoseb</b>	Jan 25, 2005	<0.42	ug/l	No
<b>Diquat</b>	Jan 25, 2005	<1	ug/l	No
<b>Diuron</b>	Jan 25, 2005	<0.66	ug/l	No
<b>Glyphosate</b>	Jan 25, 2005	<6	ug/l	No
<b>Heptachlor + Heptachlor Epoxide</b>	Jan 25, 2005	<0.2	ug/l	No
<b>Lindane (Total)</b>	Jan 25, 2005	<0.13	ug/l	No
<b>Malathion</b>	Jan 25, 2005	<0.37	ug/l	No
<b>Methoxychlor</b>	Jan 25, 2005	<0.64	ug/l	No

Metolachlor	Jan 25, 2005	<0.58	ug/l	No
Metribuzin	Jan 25, 2005	<0.5	ug/l	No
Monochlorobenzene	Jan 25, 2005	<0.46	ug/l	No
Paraquat	Jan 25, 2005	<1	ug/l	No
Parathion	Jan 25, 2005	<1.2	ug/l	No
Pentachlorophenol	Jan 25, 2005	<0.15	ug/l	No
Phorate	Jan 25, 2005	<0.73	ug/l	No
Picloram	Jan 25, 2005	<0.19	ug/l	No
Polychlorinated Biphenyls(PCB)	Jan 25, 2005	<0.04	ug/l	No
Prometryne	Jan 25, 2005	<0.16	ug/l	No
Simazine	Jan 25, 2005	<0.18	ug/l	No
Temephos	Jan 25, 2005	<0.25	ug/l	No
Terbufos	Jan 25, 2005	<0.73	ug/l	No
Tetrachloroethylene	Jan 25, 2005	<0.48	ug/l	No
2,3,4,6-Tetrachlorophenol	Jan 25, 2005	<0.14	ug/l	No
Triallate	Jan 25, 2005	<0.14	ug/l	No
Trichloroethylene	Jan 25, 2005	<0.25	ug/l	No
2,4,6-Trichlorophenol	Jan 25, 2005	<0.14	ug/l	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	Jan 25, 2005	<0.47	ug/l	No
Trifluralin	Jan 25, 2005	<0.35	ug/l	No
Vinyl Chloride	Jan 25, 2005	<0.08	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
Arsenic	33.2	Ug/l	Oct 31, 2007

**(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)**