



SECTION 11 ANNUAL REPORT

Drinking-Water System Number:	260066079
Drinking-Water System Name:	Lutterworth Pines
Drinking-Water System Owner:	Township of Minden Hills
Drinking-Water System Category:	Small Municipal Residential
Period being reported:	January 1, 2008 – 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 [ ] 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>7 Milne Street Minden, Ontario K0M 2K0</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; width: 100px; text-align: center; padding: 2px;">0</div> </p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve?  Yes [ ] No [X]</p> <p>Number of Interested Authorities you report to:  <div style="border: 1px solid black; width: 100px; text-align: center; padding: 2px;">0</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 [X]</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
Not Applicable	

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 [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 \_\_\_\_\_

**Describe your Drinking-Water System**

The residents of Lutterworth Pines are under a boil water advisory. The drinking water system consists of one 165-foot deep groundwater production well. The pumphouse is equipped with a 2-tank pressure system and a concrete reservoir supplying the distribution system. Disinfection is provided through a drip chlorinator.

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

Sodium Hypochlorite

**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**

Foot Valve  
Distribution pump  
Float switch

**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
2008/01/17	Uranium	27.5	ug/L	Resample	2008/01/25
2008/01/25	Uranium	27.5	ug/L	No resample required	2008/01/25
2008/01/31	Loss of Pressure	<20	psi	Restore pressure	2008/02/01
2008/02/07	Loss of Pressure	<20	psi	Change foot valve	2008/02/07
2008/02/08	Loss of Pressure	<20	psi	Caused by leak draining clearwell	2008/02/13
2008/02/13	Loss of Pressure	<20	psi	Replace distribution pump	2008/02/13
2008/02/26	Uranium	29.0	ug/L	Resample	2008/03/05
2008/03/05	Uranium	27.8	ug/L	No resample required	2008/03/05

2008/04/11	Uranium	27.7	ug/L	Resample	2008/04/17
2008/04/17	Uranium	27.6	ug/L	No resample required	2008/04/17
2008/07/14	Uranium	30.8	ug/L	Resample	2008/07/24
2008/07/24	Uranium	32.1	ug/L	No resample required	2008/07/24
2008/10/27	Uranium	30.6	ug/L	Resample	2008/11/05
2008/11/04	Uranium	29.1	ug/L	No resample required	2008/11/04
2008/12/04	Loss of Pressure	<20	psi	Adjusted float switch	2008/12/04
2008/12/05	Uranium	<20	Psi	Adjusted float switch	2008/12/05
2008/12/15	Uranium	31.5	ug/L	Resample	2009/01/06
2008/12/23	Uranium	31.9	ug/L	Resample	2009/01/06

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

Location	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 - RW1	12	0 - 0	0 - 0	-	-
Distribution - DW	31	0 - 0	0 - 0	31	0 - 188

**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	171	1.37-4.52 NTU
Chlorine	178	0.17-2.20
Fluoride (If the DWS provides fluoridation)	N/A	

*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
Additional	Uranium – Distribution	2008/01/17	27.5	ug/L

Additional	Uranium – Distribution	2008/04/11	27.7	ug/L
Additional	Uranium – Distribtution	2008/07/14	30.8	ug/L
Additional	Uranium - Distribtution	2008/10/27	30.6	ug/L

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

Parameter	Sample Date	Result Value	Exceedance
Antimony: Sb (ug/L) - TW	2006/01/10	0.60	No
Arsenic: As (ug/L) - TW	2006/01/10	2.00	No
Barium: Ba (ug/L) - TW	2006/01/10	113.00	No
Boron: B (ug/L) - TW	2006/01/10	297.00	No
Cadmium: Cd (ug/L) - TW	2006/01/10	0.10	No
Chromium: Cr (ug/L) - TW	2006/01/10	3.00	No
*Lead: Pb (ug/L) *This is treated	2008/02/11	1.00	No
Mercury: Hg (ug/L) - TW	2006/01/10	0.020	No
Selenium: Se (ug/L) - TW	2006/01/10	3.00	No
Sodium: Na (mg/L) - TW	2006/01/14	59.70	Yes
Uranium: U (ug/L) - TW	2006/10/18	23.80	No
Fluoride Residual: Mean (mg/L) - TW	2006/01/10	0.74	No
Nitrite (mg/L) - TW	2008/01/14	< 0.0050	No
Nitrite (mg/L) - TW	2008/04/01	< 0.0050	No
Nitrite (mg/L) - TW	2008/07/03	< 0.0050	No
Nitrite (mg/L) - TW	2008/10/14	< 0.0050	No
Nitrate (mg/L) - TW	2008/01/14	< 0.013	No
Nitrate (mg/L) - TW	2008/04/01	< 0.013	No
Nitrate (mg/L) - TW	2008/07/03	< 0.013	No
Nitrate (mg/L) - TW	2008/10/14	< 0.013	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		Not Applicable	
Distribution		Not Applicable	



**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>Exceedance</b>
Alachlor (ug/L) - TW	2006/01/10	0.11	No
Aldicarb (ug/L) - TW	2006/01/10	0.30	No
Aldrin + Dieldrin (ug/L) - TW	2006/01/10	0.067	No
Atrazine + N-dealkylated metabolites (ug/L) - TW	2006/01/10	0.12	No
Azinphos-methyl (ug/L) - TW	2006/01/10	0.21	No
Bendiocarb (ug/L) - TW	2006/01/10	0.13	No
Benzene (ug/L) - TW	2006/01/10	0.36	No
Benzo(a)pyrene (ug/L) - TW	2006/01/10	0.0040	No
Bromoxynil (ug/L) - TW	2006/01/10	0.094	No
Carbaryl (ug/L) - TW	2006/01/10	0.16	No
Carbofuran (ug/L) - TW	2006/01/10	0.37	No
Carbon Tetrachloride (ug/L) - TW	2006/01/10	0.34	No
Chlordane:Total (ug/L) - TW	2006/01/10	0.11	No
Chlorpyrifos (ug/L) - TW	2006/01/10	0.18	No
Cyanazine (ug/L) - TW	2006/01/10	0.18	No
Diazinon (ug/L) - TW	2006/01/10	0.081	No
Dicamba (ug/L) - TW	2006/01/10	0.17	No
1,2-Dichlorobenzene (ug/L) - TW	2006/01/10	0.56	No
1,4-Dichlorobenzene (ug/L) - TW	2006/01/10	0.25	No
Dichlorodiphenyltrichloroethane(DDT) + metabolites (ug/L) - TW	2006/01/10	0.14	No
1,2-Dichloroethane (ug/L) - TW	2006/01/10	0.32	No
1,1-Dichloroethylene (ug/L) - TW	2006/01/10	0.52	No
Dichloromethane (ug/L) - TW	2006/01/10	1.17	No
2,4-Dichlorophenol (ug/L) - TW	2006/01/10	0.15	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW	2006/01/10	0.19	No
Diclofop-methyl (ug/L) - TW	2006/01/10	0.13	No
Dimethoate (ug/L) - TW	2006/01/10	0.12	No
Dinoseb (ug/L) - TW	2006/01/10	0.084	No
Diquat (ug/L) - TW	2006/01/10	1.00	No
Diuron (ug/L) - TW	2006/01/10	0.087	No
Glyphosate (ug/L) - TW	2006/01/10	6.00	No
Heptachlor+Hepachlor Epoxide (ug/L) - TW	2006/01/10	0.11	No
Lindane: (ug/L) - TW	2006/01/10	0.056	No
Malathion (ug/L) - TW	2006/01/10	0.091	No
Methoxychlor (ug/L) - TW	2006/01/10	0.14	No
Metolachlor (ug/L) - TW	2006/01/10	0.092	No
Metribuzin (ug/L) - TW	2006/01/10	0.12	No
Monochlorobenzene (ug/L) - TW	2006/01/10	0.46	No
Paraquat (ug/L) - TW	2006/01/10	1.00	No
Parathion (ug/L) - TW	2006/01/10	0.18	No
Pentachlorophenol (ug/L) - TW	2006/01/10	0.15	No
Phorate (ug/L) - TW	2006/01/10	0.11	No
Picloram (ug/L) - TW	2006/01/10	0.20	No



Polychlorinated Bichenysl(PCB) (ug/L) - TW	2006/01/10	0.040	No
Prometryne (ug/L) - TW	2006/01/10	0.23	No
Simazine (ug/L) - TW	2006/01/10	0.15	No
THM (ug/L)	2008	56.75	No
Temephos (ug/L) - TW	2006/01/10	0.31	No
Terbufos (ug/L) - TW	2006/01/10	0.12	No
Tetrachloroethylene (ug/L) - TW	2006/01/10	0.48	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW	2006/01/10	0.14	No
Triallate (ug/L) - TW	2006/01/10	0.10	No
Trichloroethylene (ug/L) - TW	2006/01/10	0.54	No
2,4,6-Trichlorophenol (ug/L) - TW	2006/01/10	0.59	No
2,4,5-Trichlorophenoxy acetic acid (ug/L) - TW	2006/01/10	0.14	No
Trifluralin (ug/L) - TW	2006/01/10	0.12	No
Vinyl Chloride (ug/L) - TW	2006/01/10	0.080	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
Sodium	59.70	mg/L	2006/01/04
Uranium	27.5	ug/L	2008/01/17
Uranium	27.7	ug/L	2008/04/11
Uranium	30.8	ug/L	2008/07/14
Uranium	30.6	ug/L	2008/10/27