

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

<b>Drinking-Water System Number:</b>	210000586
<b>Drinking-Water System Name:</b>	Winchester
<b>Drinking-Water System Owner:</b>	Township of North Dundas
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1 to December 31, 2004

<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 Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;">                 Available at the Township of North Dundas Office, 636 St. Lawrence Street, Winchester, Ontario and on their website <a href="http://www.northdundas.com">www.northdundas.com</a> </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 Drinking-Water Systems, which receive all of their drinking water from your system:**

None

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
- [ ] Public access/notice via other method \_\_\_\_\_

**Describe your Drinking-Water System**

As water is used throughout the distribution system, the level of the water tower falls to a preset limit and 4 well pumps start. Groundwater is pumped through the Well houses where Sodium Hypochlorite is added. The water is directed from each well through feeder mains to refill the tower.

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

Sodium Hypochlorite was used at an average dosage rate of 3.9 mg/L.

**Were any significant expenses incurred to?**

- Install required equipment
- Repair required equipment
- Replace required equipment

**Describe**

**Purchased and installed chlorine residual analyzer at Well #7.**  
**Installed new well level transmitter at Well #6.**  
**Repaired Well #1 water flow meter.**  
**Repaired chlorine analyzer at Well #5.**  
**Purchased chlorine feed pump degassing head at Wells #1, #5 & #6.**  
**Installed steel guard posts to protect well casing at Well #6.**  
**Abandoned and demolished building at Well #3 and decommissioned well.**  
**Replaced SCADA system backup batteries.**  
**Installed corrosion protection on downtown core to protect copper services.**  
**Purchased and installed conductivity probe at Well #1.**

**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 12/04	HPC	>500	Cts/1ml	Resample	May 12/04
July 20/04	HPC	>500	Cts/1ml	Resample	July 20/04
July 21/04	HPC	>500	Cts/1ml	Resample	July 22/04
Sept. 22/04	HPC	>500	Cts/1ml	Resample	Sept. 22/04

**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 (#-#)	Number of Background Samples	Range of Background Samples (#-#)
Raw	738	0-0	0-8	2	<2-<2	246	0-500
Treated	583	0-0	0-0	139	0->500	56	0-0
Distribution	373	0-0	0-0	41	0-38	14	0-0

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

	Number of Grab Samples	Range of Results (#-#)
Turbidity Raw	56	0.10-1.80 NTU
Chlorine	8760	0.17-4.97

*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 or order.**

Date of order or C of A	Parameter	Date Sampled	Result	Unit of Measure
N/A				

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

Parameter	Minimum Sample Date	Maximum Sample Date	Minimum Value	Maximum Value	Unit of Measure	Exceedance
Antimony	12/09/03	12/09/03	<0.6	<0.6	ug/L	No
Arsenic	01/20/03	01/20/03	<0.001	<0.001	mg / L	No
Barium	01/20/03	01/20/03	0.03	0.16	mg / L	No
Boron	01/20/03	01/20/03	<0.05	0.97	mg / L	No
Cadmium	01/20/03	01/20/03	<0.0001	<0.0001	mg / L	No
Chromium	01/20/03	01/20/03	0.002	0.004	mg / L	No
Copper	01/20/03	01/20/03	0.011	0.174	mg / L	No
Iron	01/20/03	01/20/03	0.02	0.1	mg / L	No
Lead	01/28/04	01/28/04	<0.001	<0.001	mg / L	No
Mercury	01/20/03	01/20/03	<0.0001	<0.0001	mg / L	No
Selenium	01/20/03	01/20/03	<0.001	<0.001	mg / L	No
Uranium	01/20/03	01/20/03	<0.001	<0.001	mg / L	No
Fluoride	04/24/03	01/20/03	0.16	0.33	mg / L	No
Nitrite	01/28/04	10/14/04	<0.1	<0.1	mg / L	No
Nitrate	01/28/04	05/13/04	<0.1	0.4	mg / L	No

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

Parameter	Minimum Sample Date	Maximum Sample Date	Minimum Value	Maximum Value	Unit of Measure	Exceedance
Alachlor	01/20/03	04/15/03	<0.5	<0.5	ug / L	No
Aldicarb	12/09/03	04/15/03	<0.3	<9	ug / L	No
Aldrin + Dieldrin	01/20/03	04/15/03	<0.012	<0.012	ug / L	No
Atrazine + N-dealkylated metabolites	01/20/03	04/15/03	<0.5	<1	ug / L	No
Azinphos-methyl	01/20/03	04/15/03	<2	<2	ug / L	No
Bendiocarb	01/20/03	04/15/03	<2	<2	ug / L	No
Benzene	01/20/03	04/15/03	<0.5	<0.5	ug / L	No
Benzo(a)pyrene	12/09/03	12/09/03	<0.004	<0.004	ug / L	No
Bromoxynil	01/20/03	04/15/03	<0.5	<0.5	ug / L	No
Carbaryl	01/20/03	04/15/03	<5	<5	ug / L	No
Carbofuran	01/20/03	04/15/03	<5	<5	ug / L	No
Carbon Tetrachloride	01/20/03	04/15/03	<0.9	<0.9	ug / L	No
Chlordane (Total)	01/20/03	04/15/03	<0.012	<0.015	ug / L	No
Chlorpyrifos	01/20/03	04/15/03	<1	<1	ug / L	No
Cyanazine	01/20/03	04/15/03	<1	<1	ug / L	No
Diazinon	01/20/03	04/15/03	<1	<1	ug / L	No
Dicamba	01/20/03	04/15/03	<1	<1	ug / L	No
1,2-Dichlorobenzene	01/20/03	04/15/03	<0.4	<0.4	ug / L	No
1,4-Dichlorobenzene	01/20/03	04/15/03	<0.4	<0.4	ug / L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	01/20/03	04/15/03	<0.024	<0.024	ug / L	No
1,2-Dichloroethane	01/20/03	04/15/03	<0.7	<0.7	ug / L	No
1,1-Dichloroethylene (vinylidene chloride)	01/20/03	04/15/03	<0.5	<0.5	ug / L	No
Dichloromethane	01/20/03	04/15/03	<4	<4	ug / L	No
2-4 Dichlorophenol	01/20/03	04/15/03	<0.5	<0.5	ug / L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	01/20/03	04/15/03	<1	<1	ug / L	No
Diclofop-methyl	01/20/03	04/15/03	<0.9	<0.9	ug / L	No
Dimethoate	01/20/03	04/15/03	<2.5	<2.5	ug / L	No
Dinoseb	01/20/03	04/15/03	<1	<1	ug / L	No
Diquat	01/20/03	04/15/03	<7	<7	ug / L	No
Diuron	01/20/03	04/15/03	<10	<10	ug / L	No
Glyphosate	01/20/03	04/15/03	<10	<10	ug / L	No
Heptachlor + Heptachlor Epoxide	01/20/03	04/15/03	<0.012	<0.012	ug / L	No
Linadane (Total)	01/20/03	04/15/03	<0.006	<0.006	ug / L	No
Malathion	01/20/03	04/15/03	<5	<5	ug / L	No
Methoxychlor	01/20/03	04/15/03	<0.024	<0.024	ug / L	No
Metolachlor	01/20/03	04/15/03	<0.5	<0.5	ug / L	No
Metribuzin	01/20/03	04/15/03	<5	<5	ug / L	No
Monochlorobenzene	01/20/03	04/15/03	<0.2	<0.2	ug / L	No
Paraquat	01/20/03	04/15/03	<1	<1	ug / L	No
Parathion	01/20/03	04/15/03	<1	<1	ug / L	No
Pentachlorophenol	01/20/03	04/15/03	<0.5	<0.5	ug / L	No
Phorate	01/20/03	04/15/03	<0.5	<0.5	ug / L	No
Picloram	01/20/03	04/15/03	<5	<5	ug / L	No
Polychlorinated Biphenyls(PCB)	01/20/03	04/15/03	<0.05	<0.1	ug / L	No
Promethyne	01/20/03	04/15/03	<0.25	<0.25	ug / L	No
Simazine	01/20/03	04/15/03	<1	<1	ug / L	No

<b>THM</b> (NOTE: show latest quarterly average)	01/28/04	05/13/04	5.8	23.2	ug / L	No
<b>Temephos</b>	01/20/03	04/15/03	<10	<10	ug / L	No
<b>Terbufos</b>	12/09/03	04/15/03	<0.12	<0.7	ug / L	No
<b>Tetrachloroethylene</b>	01/20/03	04/15/03	<0.3	<0.3	ug / L	No
<b>2,3,4,6-Tetrachlorophenol</b>	01/20/03	04/15/03	<0.5	<0.5	ug / L	No
<b>Triallate</b>	01/20/03	04/15/03	<1	<1	ug / L	No
<b>Trichloroethylene</b>	01/20/03	04/15/03	<0.3	<0.3	ug / L	No
<b>2,4,6-Trichlorophenol</b>	01/20/03	04/15/03	<0.5	<0.5	ug / L	No
<b>2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)</b>	01/20/03	04/15/03	<1	<1	ug / L	No
<b>Trifluralin</b>	01/20/03	04/15/03	<1	<1	ug / L	No
<b>Vinyl Chloride</b>	01/20/03	04/15/03	<0.5	<0.5	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			

**(Only if category is large municipal residential, small municipal residential, large municipal non residential, small municipal non residential, large non municipal non residential)**