

Part III Form 2
Section 11. ANNUAL REPORT.

Drinking-Water System Number:	210000586
Drinking-Water System Name:	Winchester
Drinking-Water System Owner:	Township of North Dundas
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1 to December 31, 2006

<p><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></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 section 11 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 www.northdundas.com </div>	<p><u>Complete for all other Categories.</u></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 [] N/A []</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 4.68 mg/L.

Were any significant expenses incurred to?

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

Describe

Well level monitors Well #7
 New flow control valve Well #7
 Water Main break repair Gypsy Lane
 New raw water flush valves all wells
 Instrumentation repair Water Tower lightning strike
 Sodium-hypochlorite pump rebuilds
 New distribution system chlorine residual analyzer
 Install cathodic corrosion protection Wickers Way and Henderson Crescent
 Rebuild eight Fire Hydrants

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
N/A					

Microbiological testing done under section 8 (2) during this reporting period

	Number of Samples	Range of E.Coli Results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Samples	Number of Background Samples	Range of Background Samples
Raw	635	0-0	0-27	0	0	115	0->2000
Treated	624	0-0	0-0	116	0-2	92	0-0
Distribution	410	0-0	0-0	29	0-2	69	0-2

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	60	0.07-0.67
Chlorine	8760	0.3-4.8

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	01/25/2006	01/25/2006	<0.001	<0.001	mg/L	No
Arsenic	01/25/2006	01/25/2006	<0.001	<0.001	mg / L	No
Barium	01/25/2006	01/25/2006	0.03	0.14	mg / L	No
Boron	01/25/2006	01/25/2006	0.06	0.95	mg / L	No
Cadmium	01/25/2006	01/25/2006	<0.0001	<0.0001	mg / L	No
Chromium	01/25/2006	01/25/2006	0.002	0.003	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	01/25/2006	01/25/2006	<0.001	<0.001	mg / L	No
Mercury	01/25/2006	01/25/2006	<0.0001	<0.0001	mg / L	No
Selenium	01/25/2006	01/25/2006	<0.001	0.002	mg / L	No
Uranium	01/25/2006	01/25/2006	<0.001	<0.001	mg / L	No
Fluoride	04/24/03	01/20/03	0.16	0.33	mg / L	No
Nitrite	01/25/2006	10/30/2006	<0.1	<0.1	mg / L	No
Nitrate	10/30/2006	01/25/2006	0.18	0.37	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	01/25/2006	01/25/2006	<0.5	<0.5	ug / L	No
Aldicarb	01/25/2006	01/25/2006	<9	<9	ug / L	No
Aldrin + Dieldrin	01/25/2006	01/25/2006	<0.012	<0.012	ug / L	No
Atrazine + N-dealkylated metabolites	01/25/2006	01/25/2006	<0.2	<0.2	ug / L	No
Azinphos-methyl	01/25/2006	01/25/2006	<2	<2	ug / L	No
Bendiocarb	01/25/2006	01/25/2006	<2	<2	ug / L	No
Benzene	01/25/2006	01/25/2006	<0.5	<0.5	ug / L	No
Benzo(a)pyrene	01/25/2006	01/25/2006	<0.01	<0.01	ug / L	No
Bromoxynil	01/25/2006	01/25/2006	<0.5	<0.5	ug / L	No
Carbaryl	01/25/2006	01/25/2006	<5	<5	ug / L	No
Carbofuran	01/25/2006	01/25/2006	<5	<5	ug / L	No
Carbon Tetrachloride	01/25/2006	01/25/2006	<0.5	<0.5	ug / L	No
Chlordane (Total)	01/25/2006	01/25/2006	<0.018	<0.018	ug / L	No
Chlorpyrifos	01/25/2006	01/25/2006	<1	<1	ug / L	No
Cyanazine	01/25/2006	01/25/2006	<1	<1	ug / L	No
Diazinon	01/25/2006	01/25/2006	<1	<1	ug / L	No
Dicamba	01/25/2006	01/25/2006	<1	<1	ug / L	No
1,2-Dichlorobenzene	01/25/2006	01/25/2006	<0.4	<0.4	ug / L	No
1,4-Dichlorobenzene	01/25/2006	01/25/2006	<0.4	<0.4	ug / L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	01/25/2006	01/25/2006	<0.024	<0.024	ug / L	No
1,2-Dichloroethane	01/25/2006	01/25/2006	<0.5	<0.5	ug / L	No
1,1-Dichloroethylene (vinylidene chloride)	01/25/2006	01/25/2006	<0.5	<0.5	ug / L	No
Dichloromethane	01/25/2006	01/25/2006	<4.0	<4.0	ug / L	No
2-4 Dichlorophenol	01/25/2006	01/25/2006	<0.5	<0.5	ug / L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	01/25/2006	01/25/2006	<1	<1	ug / L	No
Diclofop-methyl	01/25/2006	01/25/2006	<0.9	<0.9	ug / L	No
Dimethoate	01/25/2006	01/25/2006	<2.5	<2.5	ug / L	No
Dinoseb	01/25/2006	01/25/2006	<1	<1	ug / L	No
Diquat	01/25/2006	01/25/2006	<7	<7	ug / L	No
Diuron	01/25/2006	01/25/2006	<10	<10	ug / L	No
Glyphosate	01/25/2006	01/25/2006	<10	<10	ug / L	No
Heptachlor + Heptachlor Epoxide	01/25/2006	01/25/2006	<0.012	<0.012	ug / L	No
Lindane (Total)	01/25/2006	01/25/2006	<0.006	<0.006	ug / L	No
Malathion	01/25/2006	01/25/2006	<5	<5	ug / L	No
Methoxychlor	01/25/2006	01/25/2006	<0.024	<0.024	ug / L	No
Metolachlor	01/25/2006	01/25/2006	<0.5	<0.5	ug / L	No
Metribuzin	01/25/2006	01/25/2006	<5	<5	ug / L	No
Monochlorobenzene	01/25/2006	01/25/2006	<0.2	<0.2	ug / L	No
Paraquat	01/25/2006	01/25/2006	<1	<1	ug / L	No
Parathion	01/25/2006	01/25/2006	<1	<1	ug / L	No
Pentachlorophenol	01/25/2006	01/25/2006	<0.5	<0.5	ug / L	No
Phorate	01/25/2006	01/25/2006	<0.5	<0.5	ug / L	No

Picloram	01/25/2006	01/25/2006	<5	<5	ug / L	No
Polychlorinated Biphenyls(PCB)	01/25/2006	01/25/2006	<0.1	<0.1	ug / L	No
Promethyne	01/25/2006	01/25/2006	<0.25	<0.25	ug / L	No
Simazine	01/25/2006	01/25/2006	<1	<1	ug / L	No
THM Average 11.7	04/24/2006	10/30/2006	7.5	14.3	ug / L	No
Temephos	01/25/2006	01/25/2006	<10	<10	ug / L	No
Terbufos	01/25/2006	01/25/2006	<0.4	<0.4	ug / L	No
Tetrachloroethylene	01/25/2006	01/25/2006	<0.3	<0.3	ug / L	No
2,3,4,6-Tetrachlorophenol	01/25/2006	01/25/2006	<0.5	<0.5	ug / L	No
Triallate	01/25/2006	01/25/2006	<1	<1	ug / L	No
Trichloroethylene	01/25/2006	01/25/2006	<0.3	<0.3	ug / L	No
2,4,6-Trichlorophenol	01/25/2006	01/25/2006	<0.5	<0.5	ug / L	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	01/25/2006	01/25/2006	<1	<1	ug / L	No
Trifluralin	01/25/2006	01/25/2006	<0.4	<0.4	ug / L	No
Vinyl Chloride	01/25/2006	01/25/2006	<0.2	<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			