

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

Drinking-Water System Number:	210000728
Drinking-Water System Name:	Chesterville
Drinking-Water System Owner:	Township of North Dundas
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1 to December 31, 2003

<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 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> 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:</p> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px 0;"></div> <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: <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px 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 []</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

Groundwater is pumped from the source well and Sodium Hypochlorite is added. From the wells it travels 3.7 kilometers through a feeder main to a reservoir/contact tank where sufficient time for disinfection is provided. As water is used throughout the distribution system, the water level in the elevated tank falls to a preset limit and a pump at the reservoir starts. This pump draws water from the reservoir/contact tank and refills the elevated tank.

List all water treatment chemicals used over this reporting period

Sodium Hypochlorite was used at an average dosage rate of 1.6 mg/L.

Were any significant expenses incurred to?

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

Describe

Installation of chemical spill containment. Installed reservoir overflow backflow preventor. Installed new chlorine feed system at Well # 5. Installed chlorine analyzer in the water distribution system. Developed new well supply.

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 21/03	Turbidity	2.1	NTU	N/A	N/A
May 23/03	Turbidity	2.9	NTU	N/A	N/A
Aug.11/03	Total Coliforms	22	Cts/100ml	Resample	Aug.12/03
Oct.14/03	Total Coliforms	1	Cts/100ml	Resample	Oct.17/03
Dec.11/03	Water Main Break	N/A	N/A	Sample System	Dec.11/03

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

	Number	Range of E.Coli	Range of Total	Number	Range of

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

	of Samples	or Fecal Results (#-#)	Coliform Results (#-#)	of HPC Samples	HPC Results (#-#)
Raw	142	0-4	0-4	0	0-0
Treated	156	0-0	0-0	54	0-20
Distribution	401	0-0	0-22	59	0-164

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 Treated Jan/03-June/03	8760	0.018-2.90 NTU
Turbidity Raw June/03-Dec/03	7	0.33-1.22 NTU
Chlorine	8760	0.3-1.90 mg/L

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	12/9/03	12/9/03	<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	0.12	0.12	mg / L	No
Boron	01/20/03	01/20/03	<0.05	<0.05	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	0.002	mg / L	No
Copper	01/20/03	01/20/03	0.007	0.007	mg / L	No
Iron	01/20/03	01/20/03	0.05	0.05	mg / L	No
Lead	01/20/03	01/20/03	<0.026	<0.026	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	01/20/03	01/20/03	0.15	0.15	mg / L	No
Nitrite	12/9/03	05/12/03	<0.1	<0.10	mg / L	No
Nitrate	12/9/03	05/12/03	<0.001	<0.10	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	12/9/03	01/20/03	<0.11	<0.5	ug / L	No
Aldicarb	12/9/03	01/20/03	<0.3	<5	ug / L	No

Aldrin + Dieldrin	01/20/03	12/9/03	<0.012	<0.067	ug / L	No
Atrazine + N-dealkylated metabolites	12/9/03	01/20/03	<0.12	<1.0	ug / L	No
Azinphos-methyl	12/9/03	01/20/03	<0.21	<2	ug / L	No
Bendiocarb	12/9/03	01/20/03	<0.13	<2	ug / L	No
Benzene	01/20/03	01/20/03	<0.5	<0.5	ug / L	No
Benzo(a)pyrene	12/9/03	12/9/03	<0.004	<0.004	ug / L	No
Bromoxynil	01/20/03	01/20/03	<0.5	<0.5	ug / L	No
Carbaryl	12/9/03	01/20/03	<0.16	<5	ug / L	No
Carbofuran	12/9/03	01/20/03	<0.37	<5	ug / L	No
Carbon Tetrachloride	01/20/03	01/20/03	<0.9	<0.9	ug / L	No
Chlordane (Total)	01/20/03	12/9/03	<0.012	<0.11	ug / L	No
Chlorpyrifos	01/20/03	01/20/03	<0.18	<1	ug / L	No
Cyanazine	12/9/03	01/20/03	<0.18	<1	ug / L	No
Diazinon	12/9/03	01/20/03	<0.081	<1	ug / L	No
Dicamba	01/20/03	01/20/03	<1	<1	ug / L	No
1,2-Dichlorobenzene	01/20/03	01/20/03	<0.4	<0.4	ug / L	No
1,4-Dichlorobenzene	01/20/03	01/20/03	<0.4	<0.4	ug / L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	01/20/03	12/9/03	<0.024	<0.14	ug / L	No
1,2-Dichloroethane	01/20/03	01/20/03	<0.7	<0.7	ug / L	No
1,1-Dichloroethylene (vinylidene chloride)	01/20/03	01/20/03	<0.5	<0.5	ug / L	No
Dichloromethane	01/20/03	01/20/03	<4	<4	ug / L	No
2-4 Dichlorophenol	12/9/03	01/20/03	<0.15	<0.5	ug / L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	12/9/03	01/20/03	<0.11	<1	ug / L	No
Diclofop-methyl	12/9/03	01/20/03	<0.13	<0.9	ug / L	No
Dimethoate	12/9/03	01/20/03	<0.12	<2.5	ug / L	No
Dinoseb	12/9/03	01/20/03	<0.084	<1	ug / L	No
Diquat	12/9/03	01/20/03	<1	<7	ug / L	No
Diuron	12/9/03	01/20/03	<0.087	<10	ug / L	No
Glyphosate	12/9/03	01/20/03	<6	<10	ug / L	No
Heptachlor + Heptachlor Epoxide	01/20/03	12/9/03	<0.012	<0.11	ug / L	No
Lindane (Total)	01/20/03	12/9/03	<0.006	<0.056	ug / L	No
Malathion	12/9/03	01/20/03	<0.091	<5	ug / L	No
Methoxychlor	01/20/03	12/9/03	<0.024	<0.14	ug / L	No
Metolachlor	12/9/03	01/20/03	<0.092	<0.5	ug / L	No
Metribuzin	12/9/03	01/20/03	<0.12	<5	ug / L	No
Monochlorobenzene	01/20/03	01/20/03	<0.2	<0.2	ug / L	No
Paraquat	12/9/03	01/20/03	<1	<1	ug / L	No
Parathion	12/9/03	01/20/03	<0.18	<1	ug / L	No
Pentachlorophenol	12/9/03	01/20/03	<0.15	<0.5	ug / L	No
Phorate	12/9/03	01/20/03	<0.11	<0.5	ug / L	No
Picloram	12/9/03	01/20/03	<0.2	<5	ug / L	No
Polychlorinated Biphenyls(PCB)	12/9/03	01/20/03	<0.04	<0.05	ug / L	No
Promethyne	12/9/03	01/20/03	<0.23	<0.25	ug / L	No
Simazine	12/9/03	01/20/03	<0.15	<1	ug / L	No
THM (NOTE: show latest quarterly average)	01/20/03	12/9/03	14.5	14.5	ug / L	No
Temephos	12/9/03	01/20/03	<0.31	<10	ug / L	No
Terbufos	01/20/03	01/20/03	<0.12	<0.7	ug / L	No

Tetrachloroethylene	01/20/03	01/20/03	<0.3	<0.3	ug / L	No
2,3,4,6-Tetrachlorophenol	12/9/03	01/20/03	<0.14	<0.5	ug / L	No
Triallate	12/9/03	01/20/03	<0.10	<1	ug / L	No
Trichloroethylene	01/20/03	01/20/03	<0.3	<0.3	ug / L	No
2,4,6-Trichlorophenol	12/9/03	01/20/03	<0.25	<0.5	ug / L	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	12/9/03	01/20/03	<0.14	<1	ug / L	No
Trifluralin	12/9/03	01/20/03	<0.12	<1	ug / L	No
Vinyl Chloride	01/20/03	01/20/03	<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)