

OPTIONAL ANNUAL REPORT TEMPLATE

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|--|--------------------------------|
| 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, 2007 |

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|---|--|
| <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 Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; padding: 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 []</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> |
|---|--|

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 |
|----------------------------|------------------------------|
| N/A | N/A |

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]

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

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

Groundwater is pumped from the source wells 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. The 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 1.66 mg/L.

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

Replace high lift pump (reservoir)
 Replace flat membrane roof (reservoir)
 Rebuild/repair fire hydrants (8)
 Replace Well 6 Variable Speed Motor Drive
 Install cathodic protection

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 | | | | | |

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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 | 158 | 0-0 | 0-1 | 0 | n/a |
| Treated | 156 | 0-0 | 0-0 | 52 | 0-5 |
| Distribution | 364 | 0-0 | 0-0 | 52 | 0-34 |

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 | 16 | 0.04-0.46 NTU |
| Chlorine | 8760 | 0.56-2.30 mg/L |
| Fluoride | N/A | N/A |

NOTE: For continuous monitors use 8760 as the number of samples.

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 |
|---------------------------------|-----------|--------------|--------|-----------------|
| N/A | | | | |

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

| 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 | 0.11 | 0.11 | mg / L | No |
| Boron | 01/25/2006 | 01/25/2006 | 0.02 | 0.02 | 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 | 0.002 | mg / L | No |
| Lead | 01/11/2007 | 01/11/2007 | <0.001 | <0.001 | mg / L | No |
| Mercury | 01/25/2006 | 01/25/2006 | 0.001 | 0.001 | mg / L | No |
| Selenium | 01/25/2006 | 01/25/2006 | <0.0001 | <0.0001 | mg / L | No |
| Sodium | 01/11/2007 | 01/11/2007 | 6 | 6 | mg / L | No |
| Uranium | 01/25/2006 | 01/25/2006 | <0.001 | <0.001 | mg / L | No |
| Fluoride | 01/11/2007 | 01/11/2007 | <0.10 | <0.10 | mg / L | No |
| Nitrite | 10/09/2007 | 01/11/2007 | <0.005 | <0.10 | mg / L | No |
| Nitrate | 10/09/2007 | 01/11/2007 | <0.013 | 0.11 | mg / L | No |

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

| Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|-------------|--------------|-----------------|------------|
| Alachlor | 01/25/2006 | <0.5 | ug / L | No |
| Aldicarb | 01/25/2006 | <9 | ug / L | No |
| Aldrin + Dieldrin | 01/25/2006 | <0.012 | ug / L | No |
| Atrazine + N-dealkylated metabolites | 01/25/2006 | <0.2 | ug / L | No |
| Azinphos-methyl | 01/25/2006 | <2 | ug / L | No |
| Bendiocarb | 01/25/2006 | <2 | ug / L | No |
| Benzene | 01/25/2006 | <0.5 | ug / L | No |
| Benzo(a)pyrene | 01/25/2006 | <0.01 | ug / L | No |
| Bromoxynil | 01/25/2006 | <0.5 | ug / L | No |
| Carbaryl | 01/25/2006 | <5 | ug / L | No |
| Carbofuran | 01/25/2006 | <5 | ug / L | No |
| Carbon Tetrachloride | 01/25/2006 | <0.5 | ug / L | No |
| Chlordane (Total) | 01/25/2006 | <0.018 | ug / L | No |
| Chlorpyrifos | 01/25/2006 | <1 | ug / L | No |
| Cyanazine | 01/25/2006 | <1 | ug / L | No |
| Diazinon | 01/25/2006 | <1 | ug / L | No |
| Dicamba | 01/25/2006 | <1 | ug / L | No |
| 1,2-Dichlorobenzene | 01/25/2006 | <0.4 | ug / L | No |
| 1,4-Dichlorobenzene | 01/25/2006 | <0.4 | ug / L | No |
| Dichlorodiphenyltrichloroethane (DDT) + metabolites | 01/25/2006 | <0.024 | ug / L | No |
| 1,2-Dichloroethane | 01/25/2006 | <0.5 | ug / L | No |
| 1,1-Dichloroethylene (vinylidene chloride) | 01/25/2006 | <0.5 | ug / L | No |
| Dichloromethane | 01/25/2006 | <4.0 | ug / L | No |
| 2-4 Dichlorophenol | 01/25/2006 | <0.5 | ug / L | No |
| 2,4-Dichlorophenoxy acetic acid (2,4-D) | 01/25/2006 | <1 | ug / L | No |
| Diclofop-methyl | 01/25/2006 | <0.9 | ug / L | No |
| Dimethoate | 01/25/2006 | <2.5 | ug / L | No |
| Dinoseb | 01/25/2006 | <1 | ug / L | No |
| Diquat | 01/25/2006 | <7 | ug / L | No |
| Diuron | 01/25/2006 | <10 | ug / L | No |
| Glyphosate | 01/25/2006 | <10 | ug / L | No |
| Heptachlor + Heptachlor Epoxide | 01/25/2006 | <0.012 | ug / L | No |
| Lindane (Total) | 01/25/2006 | <0.006 | ug / L | No |
| Malathion | 01/25/2006 | <5 | ug / L | No |
| Methoxychlor | 01/25/2006 | <0.024 | ug / L | No |
| Metolachlor | 01/25/2006 | <0.5 | ug / L | No |
| Metribuzin | 01/25/2006 | <5 | ug / L | No |
| Monochlorobenzene | 01/25/2006 | <0.2 | ug / L | No |
| Paraquat | 01/25/2006 | <1 | ug / L | No |
| Parathion | 01/25/2006 | <1 | ug / L | No |
| Pentachlorophenol | 01/25/2006 | <0.5 | ug / L | No |
| Phorate | 01/25/2006 | <0.5 | ug / L | No |
| Picloram | 01/25/2006 | <5 | ug / L | No |
| Polychlorinated Biphenyls(PCB) | 01/25/2006 | <0.1 | ug / L | No |
| Prometryne | 01/25/2006 | <0.25 | ug / L | No |
| Simazine | 01/25/2006 | <1 | ug / L | No |

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|---|------------|------|--------|----|
| THM (NOTE: show latest annual average) | 10/09/2007 | 7.95 | ug / L | No |
| Temephos | 01/25/2006 | <10 | ug / L | No |
| Terbufos | 01/25/2006 | <0.4 | ug / L | No |
| Tetrachloroethylene | 01/25/2006 | <0.3 | ug / L | No |
| 2,3,4,6-Tetrachlorophenol | 01/25/2006 | <0.5 | ug / L | No |
| Triallate | 01/25/2006 | <1 | ug / L | No |
| Trichloroethylene | 01/25/2006 | <0.3 | ug / L | No |
| 2,4,6-Trichlorophenol | 01/25/2006 | <0.5 | ug / L | No |
| 2,4,5-Trichlorophenoxy acetic acid (2,4,5-T) | 01/25/2006 | <1 | ug / L | No |
| Trifluralin | 01/25/2006 | <0.4 | ug / L | No |
| Vinyl Chloride | 01/25/2006 | <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 | | | |
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