

Part III Form 2
Section 11. ANNUAL REPORT.

Drinking-Water System Number:	260002304
Drinking-Water System Name:	Niagara Falls Distribution System
Drinking-Water System Owner:	Corporation of the City of Niagara Falls
Drinking-Water System Category:	Large Municipal
Period being reported:	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 [X] No []</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>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served:</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:</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:

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 []

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 City of Niagara Falls purchases its water from the Regional Municipality of Niagara. Surface water from Lake Erie is treated at the Region's, Niagara Falls Treatment Plant. Treatment consists of pre-chlorination, conventional screening, coagulation, flocculation, and settling followed by filtration and post chlorination. Treated water is distributed by the City of Niagara Falls through approximately 340 kilometers of water mains ranging in size from 50mm to 600mm.

List all water treatment chemicals used over this reporting period

Were any significant expenses incurred to?

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

Describe

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
03.01.15	P-A E. coli	PP-A	P-A	Water main was flushed and re-sampling was carried out at original sample point as well as up and down stream until water quality parameters were met.	03.01.17
03.04.07	P-A E. coli	PP-A	P-A	Water main was flushed and re-sampling was carried out at original sample point as well as up and down stream until water quality parameters were met.	03.04.11

03.05.12	P-A E. coli	PP-A	P-A	Water main was flushed and re-sampling was carried out at original sample point as well as up and down stream until water quality parameters were met.	03.05.16
03.05.15	Background	>200	/100 ml	Water main was flushed and re-sampling was carried out at original sample point as well as up and down stream until water quality parameters were met.	03.04.16
03.10.20	Background	>200	/100 ml	Water main was flushed and re-sampling was carried out at original sample point as well as up and down stream until water quality parameters were met.	03.10.26
03.10.23	Background	>200	/100 ml	Water main was flushed and re-sampling was carried out at original sample point as well as up and down stream until water quality parameters were met.	03.10.26
03.10.23	Background	>200	/100 ml	Water main was flushed and re-sampling was carried out at original sample point as well as up and down stream until water quality parameters were met.	03.10.26
03.10.23	Tot. Coli	1	Cfu/100	Water main was flushed and re-sampling was carried out at original sample point as well as up and down stream until water quality parameters were met.	03.10.26
03.10.25	P-A E. coli	PP-A	P-A	Water main was flushed and re-sampling was carried out at original sample point as well as up and down stream until water quality parameters were met.	03.10.26

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 (#-#)	Samples	(#-#)
Raw					
Treated					
Distribution	1658	(0-0)	(0-1)	1658	(<2->1500)

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		
Chlorine	1625	0.05-0.70
Fluoride (If the DWS provides fluoridation)		

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

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony				
Arsenic				
Barium				
Boron				
Cadmium				
Chromium				
Lead	03.09.16	0.01	mg/L	0
Mercury				
Selenium				
Uranium				
Fluoride				
Nitrite				
Nitrate				

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor				
Aldicarb				
Aldrin + Dieldrin				
Atrazine + N-dealkylated metabolites				
Azinphos-methyl				
Bendiocarb				
Benzene				
Benzo(a)pyrene				
Bromoxynil				
Carbaryl				
Carbofuran				
Carbon Tetrachloride				
Chlordane (Total)				
Chlorpyrifos				
Cyanazine				
Diazinon				
Dicamba				
1,2-Dichlorobenzene				
1,4-Dichlorobenzene				
Dichlorodiphenyltrichloroethane (DDT) + metabolites				
1,2-Dichloroethane				
1,1-Dichloroethylene (vinylidene chloride)				
Dichloromethane				
2,4 Dichlorophenol				
2,4-Dichlorophenoxy acetic acid (2,4-D)				
Diclofop-methyl				
Dimethoate				
Dinoseb				
Diquat				
Diuron				
Glyphosate				
Heptachlor + Heptachlor Epoxide				
Linadane (Total)				
Malathion				
Methoxychlor				
Metolachlor				
Metribuzin				
Monochlorobenzene				
Paraquat				
Parathion				
Pentachlorophenol				
Phorate				
Picloram				
Polychlorinated Biphenyls(PCB)				

Prometryne				
Simazine				
THM (NOTE: show latest quarterly average)		56	ug/L	0
Temephos				
Terbufos				
Tetrachloroethylene				
2,3,4,6-Tetrachlorophenol				
Triallate				
Trichloroethylene				
2,4,6-Trichlorophenol				
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)				
Trifluralin				
Vinyl Chloride				

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

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