



## CITY OF PORT COLBORNE

**Municipal Offices**  
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**OFFICE OF THE DIRECTOR  
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### **DRINKING WATER PROTECTION REPORT**

In accordance with Section 12 of the Drinking Water Protection Regulation, the following will constitute our report for January - December 2003.

#### **The System**

The City of Port Colborne water distribution system consists of approximately 105 km of water mains servicing a population of over 16,000 people. The system was built over a period of 85 - 90 years. Water is supplied to the City from the Regional Municipality of Niagara's water treatment plant on King Street. The Region is also responsible for the large diameter trunk water mains and the water storage reservoirs. All chlorination / disinfection occurs at the plant and there is no other in line chlorination of the distribution system.

#### **Adverse Water Sampling**

In the month of January two properties were found to have an adverse water sample 34 Church Street and 260 Sugarloaf Street.

The property at 34 Church Street was sampled on January 14, 2003 for the first time. Notification was sent to all agencies on January 15<sup>th</sup> for notification of the adverse water sampling. The property was re-sampled on the 15<sup>th</sup>, 16<sup>th</sup>, 17<sup>th</sup> & 18<sup>th</sup>. On Sunday, January 19, 2003 re-samples were taken at which time the homeowner advised staff that she would not permit any more sampling to be done until she has had the opportunity to replace the kitchen tap. All samples to date excluding those taken from the kitchen tap have been negative for E. Coli, P.A., Total Coliforms, Fecal Coliforms and Background as well all Free Chlorine Residuals have been 0.5 and higher.

Property at 34 Church Street was then re-sampled on January 22, 2003, after the kitchen tap had been changed, samples were negative.

In the Month of February 32 South Crescent, 124 Janet Street and 120 North Crescent were found to have an adverse water sample.

In the months of March, April, May and June, no adverse water samples were taken

On July 29th, an adverse water sample was found at 15 Lakewood Crescent.

Notification of the adverse water sampling was sent to all agencies on July 29<sup>th</sup>. The water mains in the area of low chlorine residual were flushed from July 29<sup>th</sup> at 10:00 a.m. until July 31<sup>st</sup> at 12:45 p.m. when a free chlorine residual greater than 0.2 was achieved.

In the month of August, September and October, no adverse water samples were taken.

On November 12<sup>th</sup>, at 8:50 a.m., an adverse water sample was found at 266 Rosemount Avenue. Notification of the adverse water sampling was sent to all agencies on November 13<sup>th</sup>. Re-samples were taken on November 13<sup>th</sup> and on November 18<sup>th</sup>. During that time period a free chlorine residual greater than 0.2 has been maintained.

In the month of December, no adverse water samples were taken.

A summary of Microbiological Test Results is as follows:

**January: 84 samples taken 2 adverse sample**  
**February: 71 samples taken 3 adverse sample**  
**March: 29 samples taken 0 adverse sample**  
**April: 61 samples taken 0 adverse sample**  
**May: 59 samples taken 0 adverse sample**  
**June: 44 samples taken 0 adverse sample**  
**July: 62 samples taken 1 adverse sample**  
**August: 51 samples taken 0 adverse sample**  
**September: 60 samples taken 0 adverse sample**  
**October: 53 samples taken 0 adverse sample**  
**November: 52 samples taken 1 adverse sample**  
**December: 50 samples taken 0 adverse sample**

Free chlorine residual levels were consistently within required guidelines.

Please find the following summaries of THMs for Port Colborne:

1937 Ramey Road, January 14, 2003.

Analysis	ODWS MAC/IMAC	ODWS RDL	MDL	1937 Ramey Rd.
Temperature Upon (Receipt)				0.5
ResCl Free				.84
Pb (ug/L)	10	2	0.6	0.6<MDL
THMs (total ug/L)	100	10	0.63	11
Bromodichloromethane (ug/L)			0.56	0.56<MDL
Bromoform (ug/L)			0.63	3.7
Chloroform (ug/L)			0.60	4.9
Dibromochloromethane (ug/L)			0.37	2.1

26 Cedar Street, April 1, 2003.

Analysis	ODWS MAC/IMAC	ODWS RDL	MDL	26 Cedar Street
Temperature Upon(Receipt)				4.5
ResCl Free (mg/L)				0.06
THMs (total ug/L)	100	10	0.63	13
Bromodichloromethane (ug/L)			0.63	4.6
Bromoform (ug/L)			0.56	0.56<MDL
Chloroform (ug/L)			0.60	5.9
Dibromochloromethane (ug/L)			0.37	2.8

19 Nickel Street, July 15, 2003.

Analysis	ODWS MAC/IMAC	ODWS RDL	MDL	19 Nickel Street
Temperature Upon(Receipt)				17.5
THMs (total ug/L)	100	10	0.63	28
Bromodichloromethane (ug/L)			0.63	9.4
Bromoform (ug/L)			0.56	0.77
Chloroform (ug/L)			0.60	12
Dibromochloromethane (ug/L)			0.37	5.3

222 Lakeshore Rd. West, September 24, 2003.

Analysis	ODWS MAC/IMAC	ODWS RDL	MDL	222 Lakeshore Rd. West
Temperature Upon (Receipt)				14.5
THMs (total) (ug/L)	100	10	0.63	30
Bromodichloromethane (ug/L)			0.63	9.8
Bromoform (ug/L)			0.56	1.5
Chloroform (ug/L)			0.60	14
Dibromochloromethane (ug/L)			0.37	5.3

Copies of all reports are available at City Hall, at the front desk, second floor, 66 Charlotte Street, Port Colborne. A copy of this report may be found on the web at [www.portcolborne.com](http://www.portcolborne.com).

