



OPTIONAL ANNUAL REPORT TEMPLATE

Drinking-Water System Number:	260001604
Drinking-Water System Name:	Pelham Distribution System
Drinking-Water System Owner:	The Corporation of the Town of Pelham
Drinking-Water System Category:	Large Municipal
Period being reported:	January 1, 2022 to December 31, 2022

<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 Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; padding: 5px;"> <p>Pelham Municipal Building 20 Pelham Town Square Fonthill, Ontario</p> <p>www.pelham.ca</p> </div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: <div style="border: 1px solid black; width: 100px; text-align: center; padding: 2px;">0</div> </p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [] No [x]</p> <p>Number of Interested Authorities you report to: <div style="border: 1px solid black; width: 100px; text-align: center; padding: 2px;">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 [x]</p>
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Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report

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
None	Not applicable

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?
 [Not Applicable]

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 Corporation of the Town of Pelham operates a water distribution system which is supplied with treated water by the Regional Municipality of Niagara from the Welland Water Treatment Plant, located at #4 Cross Street in Welland. The source of the water for the treatment plant is the Welland Recreational Waterway.

The treated water is transported to the Town by way of a 750mm diameter watermain to the Shoalts Drive Reservoir located at #5 Shoalts Drive in Fonthill. Water is distributed from the reservoir by way of a series of watermains and a Regional elevated tank located at #177 Highway #20 West in Fonthill, to lands within the designated service area.

The Town of Pelham distributes drinking water to Fonthill and Fenwick urban areas in Pelham through approximately 86 kilometres of watermain varying in size from 50mm to 400mm diameter. In addition there is 6.5 kilometers in length owned by the Regional Municipality of Niagara which is connected to the Pelham Distribution System and also distributes water to lands within the service area. The watermains are primarily cast iron, asbestos concrete, high pressure concrete piping, copper and PVC piping. There are approximately 591 hydrants and 718 valves located throughout the system. The Town owns a fill station with side-fill and a backflow prevention device and a residential pressure boosting station.

List all water treatment chemicals used over this reporting period

Not applicable

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

(1) General repairs and maintenance of watermain and appurtenances - \$ 90,000 (2) Replacement of watermain- Pelham Street (John Street-Spruceside South)- \$600,000 (3) Replacement of Watermain- Park Lane (Hwy 20 to 55 Park Lane) - \$200,000

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
June 16,2022	Total Coliforms	1	Cfu/100ml	Flush and Resample Twice	June 21,2022
July 7,2022	Total Coliforms	1	Cfu/100ml	Flush and Resample Twice	July 13,2022
Dec 15,2022	Total Coliforms	2	Cfu/100ml	Flush and Resample Twice	Dec 19,2022

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	Not applicable				
Treated	Not applicable				
Distribution	501	0 - 0	0 - 2	501	0-150

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 #)	Unit of Measure
Turbidity			
Chlorine	957	0.21-1.26	mg/l
Fluoride (If the	DWS does not provide fluoridation		

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

DWS provides fluoridation)	
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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
Not Applicable				

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Not Applicable				

*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems.

Summary of lead testing under Schedule 15.1 during this reporting period

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

Location Type	Number of Samples	Lead Results <1.0 to 10	Unit of Measure	Number of Exceedances
Plumbing	Exempt			
Distribution	8	<1.0 to 1.9	Ug/L	None

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Haloacetic Acids (NOTE: show latest annual running average)	Dec. 2022	10.05	ug/L	None
THM (NOTE: show latest annual running average)	Dec. 2022	23.23	ug/L	None

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.



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

Parameter	Result Value	Unit of Measure	Date of Sample
Not Applicable			