

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

Drinking-Water System Number:	220004377
Drinking-Water System Name:	Enniskillen Water Distribution System
Drinking-Water System Owner:	Township of Enniskillen
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	2023

<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> <p>Township of Enniskillen Municipal Office 4465 Rokeby Line</p>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: None</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: none</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:

Drinking Water System Name	Drinking Water System Number
The Village of Oil Spring Water Distribution System	260046761
Township Of Dawn-Euphemia Water Distribution System	260046904

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 [x] No []

Indicate how you notified system users that your annual report is available, and is free of charge.

- Public access/notice via the web www.enniskillen.ca
- 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

Pumping Station and Water Reservoir with capacity = 1360 m3.
Water distribution system with 50 mm dia. to 250 mm dia. watermain extending into a portion of the City of Sarnia and the Township of Brooke-Alvinston.
Connected to the Town of Petrolia water distribution system at eight metered connections.
Supplies water to the Village of Oil Springs water distribution system at 2 metered connection points and to the Township of Dawn-Euphemia at 5 metered connection points.

List all water treatment chemicals used over this reporting period

Sodium Hypochlorite (12%)

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
May 1 2023	Total Coliform	1 MAC	Cfu/100 mg	Resample Upstream, downstream and source. 2 sets of samples May 3 and 5	May 8 2023

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#)
Treated	104	0 - 0	0 - 0	52	<10 - >50
Distribution	208	0 - 0	0 - 1	104	<10 - 40

Operational testing done under Schedule 7, 8 or 9 during the period covered by this Annual Report.

	Number of Grab Samples	Range of Results (min#)-(max#)	Unit of Measure
Chlorine – dist. - Res. discharge	8760	1.04 -2.09	mg/L
Free Chlorine Distribution Grab	357	0.90-1.81	mg/L

Note: For Continuous monitors use 8760 as 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

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance

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

Parameter	Sample Date	Result Value	Result Value	Unit of Measure	Exceedance
Total Trihalomethanes	Jan 3	30	22	ug/l	no
	April 3	28	26		
	July 4	39	31		
	Oct 3	56	47		
	2023	AVG 38.25	AVG 31.5		
Total Haloacetic Acids (HAA5)	Jan 3	16.2	11.7	Ug/L	n/a
	April 3	21.9	18.1		
	July 4	20.7	18.2		
	Oct 3	21.7	17.0		
	2023	AVG 20.12	AVG 16.25		

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	Lead Results Hydrant #43	Lead Results Hydrant#55	Unit of Measure	Number of Exceedances
Plumbing	N/A	N/A	N/A	N/A
Distribution	March 30, 2023 0.23 Oct 12, 2023 0.25	March 30, 2023 0.29 Oct 12, 2023 0.19	Ug/L	0

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)