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

Part III	Fo	rm 2	
Section	11.	ANNUAL	REPORT.

Drinking-Water System Number:	260014313
Drinking-Water System Name:	St. Martin's (Ennismore)
Drinking-Water System Owner:	Peterborough Victoria Northumberland Clarington
	Catholic District School Board
Drinking-Water System Category:	Small Non Municipal Non Residential - Designated
Period being reported:	April 1, 2023 to March 31, 2024

Complete if your Category is Large Municipal Residential or Small Municipal Residential	<u>Complete for all other Categories.</u>
Does your Drinking-Water System serve more than 10,000 people? Yes [] No []	Number of Designated Facilities served:
Is your annual report available to the public at no charge on a web site on the Internet? Yes [] No []	Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [x] No []
Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.	Number of Interested Authorities you report to: 1 Did you provide a copy of your annual
	report to all Interested Authorities you report to for each Designated Facility? Yes [x] No []

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	

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]



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
- [x] Public access/notice via Public Request
- [] Public access/notice via a Public Library
- [] Public access/notice via other method

Describe your Drinking-Water System

<u>Source</u>

- One (1) drilled well
- Two indoor holding tanks

Treatment

- Multimedia filtration
- Water softener
- 5µm cartridge filter
- Primary disinfection provided by UV disinfection
- Secondary disinfection provided by chlorination two (2) chlorinator pumps

List all water treatment chemicals used over this reporting period

Sodium hypochlorite for secondary disinfection Sodium chloride for water softener regeneration

Were any significant expenses incurred to?

- [] Install required equipment
- [] Repair required equipment
- **[x]** Replace required equipment

Please provide a brief description and a breakdown of monetary expenses incurred

• General Maintenance

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

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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	12	0-0	0 - 8	-	-
Treated	4	-	-	-	-
Distribution	12	0-0	0 - 0	-	-

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	<i>NOTE</i> : For continuous
Turbidity	N/A			monitors use 8760
Chlorine	249	0.00 - 2.20	mg/L	as the number of
Fluoride (If the	N/A			samples.
DWS provides				
fluoridation)				

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

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	August 18, 2021	0.9# <mdl< td=""><td>μg/L</td><td>No</td></mdl<>	μg/L	No
Arsenic	August 18, 2021	0.2# <mdl< td=""><td>μg/L</td><td>No</td></mdl<>	μg/L	No
Barium	August 18, 2021	1.29	μg/L	No
Boron	August 18, 2021	26	μg/L	No
Cadmium	August 18, 2021	0.003# <mdl< td=""><td>μg/L</td><td>No</td></mdl<>	μg/L	No
Chromium	August 18, 2021	0.56	μg/L	No
*Lead (standing) Kinder Rm 108 - Tap	July 20, 2023	1.31	µg/L	No
*Lead (flushed) Kinder Rm 108 - Tap	July 20, 2023	0.66	µg/L	No
* Lead (standing) Hallway 175 – BF	July 20, 2023	1.08	µg/L	No
* Lead (flushed) Hallway 175 – BF	July 20, 2023	0.68	µg/L	No
Mercury	August 18, 2021	0.01# <mdl< td=""><td>μg/L</td><td>No</td></mdl<>	μg/L	No

Selenium	August 18, 2021	0.34	µg/L	No
	August 18, 2021	244##MAC	mg/L	Yes
Sodium	January 13, 2022	205##MAC	mg/L	No, Adverse result reportable every 57 months
Uranium	August 18, 2021	0.798	µg/L	No
Fluoride	August 18, 2021	0.1	mg/L	No
	May 17, 2023	0.003# <mdl< td=""><td>as N mg/L</td><td>No</td></mdl<>	as N mg/L	No
Nitrite	August 11, 2023	0.003# <mdl< td=""><td>as N mg/L</td><td>No</td></mdl<>	as N mg/L	No
	November 17, 2023	0.003# <mdl< td=""><td>as N mg/L</td><td>No</td></mdl<>	as N mg/L	No
	February 07, 2024	0.003# <mdl< td=""><td>as N mg/L</td><td>No</td></mdl<>	as N mg/L	No
	May 17, 2023	0.836	as N mg/L	No
Nitrate	August 11, 2023	0.006	as N mg/L	No
	November 17, 2023	1.04	as N mg/L	No
	February 07, 2024	0.847	as N mg/L	No

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*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	Range of Lead Results (min#) – (max #)	Unit of Measure	Number of Exceedances
Plumbing				
Distribution				

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

Parameter	Sample Date	Result Value	Unit of	Exceedance
			Measure	
1,1-Dichloroethylene	August 18, 2021	0.33# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
1,2-Dichlorobenzene	August 18, 2021	0.41# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
1,2-Dichloroethane	August 18, 2021	0.35# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
1,4-Dichlorobenzene	August 18, 2021	0.36# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
2,4-D	August 18, 2021	0.19# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
2,4-Dichlorophenol	August 18, 2021	0.15# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Alachlor	August 18, 2021	0.02# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Atrazine+metabs	August 18, 2021	0.01# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Atrazine	August 18, 2021	0.01# <mdl< th=""><th>μg/L</th><th>No</th></mdl<>	μg/L	No
Azinphos-methyl	August 18, 2021	0.05# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Benzene	August 18, 2021	0.32# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Benzo(a)pyrene	August 18, 2021	0.004# <mdl< th=""><th>μg/L</th><th>No</th></mdl<>	μg/L	No

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D	A			N.
Bromoxynil	August 18, 2021	0.33# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Carbaryl	August 18, 2021	0.05# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Carbofuran	August 18, 2021	0.01# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Carbon tetrachloride	August 18, 2021	0.17# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Chlorpyrifos	August 18, 2021	0.02# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Desethyl atrazine	August 18, 2021	0.01# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Diazinon	August 18, 2021	0.02# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Dicamba	August 18, 2021	0.20# <mdl< th=""><th>μg/L</th><th>No</th></mdl<>	μg/L	No
Dichloromethane	August 18, 2021	0.35# <mdl< th=""><th>μg/L</th><th>No</th></mdl<>	μg/L	No
Diclofop-methyl	August 18, 2021	0.40# <mdl< th=""><th>μg/L</th><th>No</th></mdl<>	μg/L	No
Dimethoate	August 18, 2021	0.06# <mdl< th=""><th>μg/L</th><th>No</th></mdl<>	μg/L	No
Diquat	August 18, 2021	1# <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Diuron	August 18, 2021	0.03# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Glyphosate	August 18, 2021	1# <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
Malathion	August 18, 2021	0.02# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
МСРА	August 18, 2021	0.00012# <mdl< th=""><th>mg/L</th><th>No</th></mdl<>	mg/L	No
Metolachlor	August 18, 2021	0.01# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Metribuzin	August 18, 2021	0.02# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Monochlorobenzene	August 18, 2021	0.3# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Paraquat	August 18, 2021	1# <mdl< th=""><th>ug/L</th><th>No</th></mdl<>	ug/L	No
РСВ	August 18, 2021	0.04# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Pentachlorophenol	August 18, 2021	0.15# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Phorate	August 18, 2021	0.01# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Picloram	August 18, 2021	1# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Prometryne	August 18, 2021	0.03# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Simazine	August 18, 2021	0.01# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Terbufos	August 18, 2021	0.01# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Tetrachloroethylene	August 18, 2021	0.35# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Tetrachlorophenol	August 18, 2021	0.20# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Triallate	August 18, 2021	0.01# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Trichloroethylene	August 18, 2021	0.44# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Trichlorophenol	August 18, 2021	0.25# <mdl< th=""><th>μg/L</th><th>No</th></mdl<>	μg/L	No
Trifluralin	August 18, 2021	0.02# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/L	No
Vinyl Chloride	August 18, 2021	0.17# <mdl< th=""><th>µg/L</th><th>No</th></mdl<>	µg/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	