Part III Form 2
Section 11. ANNUAL REPORT.

Drinking-Water System Number:	**260014287**
Drinking-Water System Name:	**St. Joseph's (Douro)**
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, 2021 to March 31, 2022

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

Well Supply (Supplies Toilets and Urinals):
Source
- One (1) drilled well

Treatment:
- One Hays flow meter model 6-MRDB-4 to document daily flows
- Two Stenner Pump Company model 45MHP2 flow-paced injection pumps (one duty, one on stand-by) complete with sodium hypochlorite storage tank to provide residual disinfection and to assist with iron oxidation
- Two non-pressurized 1,200 L interconnected plastic storage tanks equipped with one submersible pump
- One 167 L pressure tank, Well Rite model WR1402R
- Two cartridge filter housings (Big Blue 20 inch) each equipped with 5 micron nominal sediment filters
- One water softener, Viqua WS Series model WS30CC
- One 450 L pressure tank, Well Mate model SSWM35-01

Cistern Supply / Transported Water (Supplies sinks and fountains):
Source:
- ZCL Xerxes tank with a storage capacity of 15,000 L (4,000 US Gallons)
- Transported water from City of Peterborugh municipal DWS

Treatment
- One 18 L pressure tank, Jet-Rite model PJR15.
- One cartridge filter housing (Viqua 10 inch) equipped with a 5 micron nominal sediment filter to remove suspended particles and extend the service life of the UV unit.
- One UV Max Pro 20 ultraviolet disinfection unit, restricted to a maximum flow of 76 L/min and equipped with intensity sensor, alarm, and automated solenoid valve meeting NSF Standard 55, Class A.

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
[x] Repair required equipment
[ ] 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
July 15, 2021	**Total Coliform**	**3**	**Cfu/100ml**	Provide bottled water, disinfect cistern, resample	**July 19, 2021**

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 – 10	-	-
Treated	14	0 – 0	0 – 3	-	-
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
Turbidity	N/A	N/A	NTU
Chlorine	252	0.00 – 0.15	mg/L
Fluoride (If the DWS provides fluoridation)	N/A		

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

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 22, 2016	0.15	µg/L	No
Arsenic	August 22, 2016	0.02#<MDL	µg/L	No
Barium	August 22, 2016	93.1	µg/L	No
Boron	August 22, 2016	33	µg/L	No
Cadmium	August 22, 2016	0.011	µg/L	No

Chromium	August 22, 2016	0.48	µg/L	No
***Lead (standing)** Water fountain – Back Hall	September 10, 2021	0.02	µg/L	No
***Lead (flushed)** Water fountain – Back Hall	September 10, 2021	0.07	µg/L	No
***Lead (standing)** Water fountain – Front Hall	September 10, 2021	0.14	µg/L	No
***Lead (flushed)** Water fountain – Front Hall	September 10, 2021	0.02	µg/L	No
Mercury	August 22, 2016	0.01#<MDL	µg/L	No
Selenium	August 22, 2016	0.2	µg/L	No
Sodium	**August 22, 2016**	**139##MAC**	**mg/L**	**Yes**
Uranium	August 22, 2016	0.335	µg/L	No
Fluoride	August 22, 2016	0.06#<MDL	mg/L	No
Nitrite	May 18, 2021	0.003#<MDL	as N mg/L	No
Nitrate	May 18, 2021	0.143	as N mg/L	No

*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 Measure	Exceedance
1,1-Dichloroethylene-DW	August 22, 2016	0.33#<MDL	µg/L	No
1,2-Dichlorobenzene-DW	August 22, 2016	0.41#<MDL	µg/L	No
1,2-Dichloroethane-DW	August 22, 2016	0.35#<MDL	µg/L	No
1,4-Dichlorobenzene-DW	August 22, 2016	0.36#<MDL	µg/L	No
2,4-D-DW	August 22, 2016	0.19#<MDL	µg/L	No
2,4-Dichlorophenol-DW	August 22, 2016	0.15#<MDL	µg/L	No
Alachlor-DW	August 22, 2016	0.02#<MDL	µg/L	No
Atrazine+metabs-DW	August 22, 2016	0.01#<MDL	µg/L	No
Atrazine-DW	August 22, 2016	0.01#<MDL	µg/L	No
Azinphos-methyl-DW	August 22, 2016	0.05#<MDL	µg/L	No
Benzene-DW	August 22, 2016	0.32#<MDL	µg/L	No
Benzo(a)pyrene-DW	August 22, 2016	0.004#<MDL	µg/L	No
Bromoxynil-DW	August 22, 2016	0.33#<MDL	µg/L	No
Carbaryl-DW	August 22, 2016	0.05#<MDL	µg/L	No
Carbofuran-DW	August 22, 2016	0.01#<MDL	µg/L	No
Carbon tetrachloride-DW	August 22, 2016	0.16#<MDL	µg/L	No
Chlorpyrifos-DW	August 22, 2016	0.02#<MDL	µg/L	No

Desethyl atrazine-DW	August 22, 2016	0.01#<MDL	µg/L	No
Diazinon-DW	August 22, 2016	0.02#<MDL	µg/L	No
Dicamba-DW	August 22, 2016	0.20#<MDL	µg/L	No
Dichloromethane-DW	August 22, 2016	0.35#<MDL	µg/L	No
Diclofop-methyl-DW	August 22, 2016	0.40#<MDL	µg/L	No
Dimethoate-DW	August 22, 2016	0.03#<MDL	µg/L	No
Diquat-DW	August 22, 2016	1#<MDL	ug/L	No
Diuron-DW	August 22, 2016	0.03#<MDL	µg/L	No
Glyphosate-DW	August 22, 2016	1#<MDL	ug/L	No
Malathion-DW	August 22, 2016	0.02#<MDL	µg/L	No
MCPA-DW	August 22, 2016	0.00012#<MDL	mg/L	No
Metolachlor-DW	August 22, 2016	0.01#<MDL	µg/L	No
Metribuzin-DW	August 22, 2016	0.02#<MDL	µg/L	No
Monochlorobenzene-DW	August 22, 2016	0.3#<MDL	µg/L	No
Paraquat-DW	August 22, 2016	1#<MDL	ug/L	No
PCB-DW	August 22, 2016	0.04#<MDL	µg/L	No
Pentachlorophenol-DW	August 22, 2016	0.15#<MDL	µg/L	No
Phorate-DW	August 22, 2016	0.01#<MDL	µg/L	No
Picloram-DW	August 22, 2016	1#<MDL	µg/L	No
Prometryne-DW	August 22, 2016	0.03#<MDL	µg/L	No
Simazine-DW	August 22, 2016	0.01#<MDL	µg/L	No
Terbufos-DW	August 22, 2016	0.01#<MDL	µg/L	No
Tetrachloroethylene-DW	August 22, 2016	0.35#<MDL	µg/L	No
Tetrachlorophenol-DW	August 22, 2016	0.20#<MDL	µg/L	No
Triallate-DW	August 22, 2016	0.01#<MDL	µg/L	No
Trichloroethylene-DW	August 22, 2016	0.44#<MDL	µg/L	No
Trichlorophenol-DW	August 22, 2016	0.25#<MDL	µg/L	No
Trifluralin-DW	August 22, 2016	0.02#<MDL	µg/L	No
Vinyl Chloride-DW	August 22, 2016	0.17#<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