



OPTIONAL ANNUAL REPORT TEMPLATE

Drinking-Water System Number:	260014183
Drinking-Water System Name:	St. Patrick's, Kinkora
Drinking-Water System Owner:	Huron-Perth Catholic District School Board
Drinking-Water System Category:	Small Non-Municipal Non-Residential
Period being reported:	April 1, 2015 – March 31, 2016

<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 []</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [] 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; height: 100px; width: 100%;"></div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: <div style="border: 1px solid black; display: inline-block; padding: 2px 10px;">1</div></p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [X] No []</p> <p>Number of Interested Authorities you report to: <div style="border: 1px solid black; display: inline-block; padding: 2px 10px;">1</div></p> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [X] No []</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	

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 [X] N/A



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 St. Patrick’s School well was drilled in the summer of 1965 and was originally contained in a concrete pit. The well casing has been extended and the former pit has been filled with sand. It is approximately 10 cm in diameter and extends approximately 27 cm above the sand and approximately 66 cm above ground. An ultraviolet disinfection system was installed in August 2002 and operational by September 1, 2002. As an extra safety measure, chlorine disinfection equipment was also installed. This will allow a small residual disinfectant level through the school’s plumbing distribution system. In December 2002, the chemical feeder and retention tank were relocated. The water lines were rerouted so that the chlorine is injected after the water softener and UV lamps. These changes have allowed the system to operate much smoother without alarming. In early December 2009, the cement well pit was removed to below grade. The existing well casing area was re-graded with clean fill and grouting occurred around the exposed well casing to ground level with bentonite. This work was done based on direction from the Ministry of the Environment.

List all water treatment chemicals used over this reporting period

Salt for water softener
Chlorine

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

Preventative maintenance performed as required including replacement of UV lamp and filter and fill chlorine at a cost of \$1100. Addition of chlorine pump rebuild at a cost of \$1088.

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
n/a					

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	11	0	0	11	<10 - 50
Treated	11	0	0	11	<10 - 10
Distribution	11	0	0	11	<10 - 10

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: For continuous monitors use 8760 as the number of samples.</i>
Turbidity	N/A			
Chlorine	182	0.05 – 1.9	mg/L	
Fluoride (If the DWS provides fluoridation)	N/A			

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
N/A				

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	Jan 23/12	ND	ug/L	N
Arsenic	Jan 23/12	5	ug/L	N
Barium	Jan 23/12	ND	ug/L	N
Boron	Jan 23/12	110	ug/L	N
Cadmium	Jan 23/12	ND	ug/L	N
Chromium	Jan 23/12	ND	ug/L	N
*Lead	June 18/15	ND	ug/L	N
Mercury	Jan 23/12	ND	mg/L	N
Selenium	Jan 23/12	ND	ug/L	N
Sodium	Jan 31/12	120000	ug/L	Y
Uranium	Jan 23/12	.2	ug/L	N
Fluoride	Jan 31/12	2.23	mg/L	Y
Nitrite	Mar 9/16	ND	mg/L	N
Nitrate	Mar 9/16	ND	mg/L	N

*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
Alachlor	Jan 23/12	ND	ug/L	N
Aldicarb	Jan 23/12	ND	ug/L	N
Aldrin + Dieldrin	Jan 23/12	ND	ug/L	N
Atrazine + N-dealkylated metabolites	Jan 23/12	ND	ug/L	N
Azinphos-methyl	Jan 23/12	ND	ug/L	N
Bendiocarb	Jan 23/12	ND	ug/L	N
Benzene	Jan 23/12	ND	ug/L	N
Benzo(a)pyrene	Jan 23/12	ND	ug/L	N
Bromoxynil	Jan 23/12	ND	ug/L	N
Carbaryl	Jan 23/12	ND	ug/L	N
Carbofuran	Jan 23/12	ND	ug/L	N
Carbon Tetrachloride	Jan 23/12	ND	ug/L	N
Chlordane (Total)	Jan 23/12	ND	ug/L	N
Chlorpyrifos	Jan 23/12	ND	ug/L	N
Cyanazine	Jan 23/12	ND	ug/L	N
Diazinon	Jan 23/12	ND	ug/L	N
Dicamba	Jan 23/12	ND	ug/L	N
1,2-Dichlorobenzene	Jan 23/12	ND	ug/L	N
1,4-Dichlorobenzene	Jan 23/12	ND	ug/L	N
Dichlorodiphenyltrichloroethane (DDT) + metabolites	Jan 23/12	ND	ug/L	N
1,2-Dichloroethane	Jan 23/12	ND	ug/L	N
1,1-Dichloroethylene (vinylidene chloride)	Jan 23/12	ND	ug/L	N
Dichloromethane	Jan 23/12	ND	ug/L	N
2-4 Dichlorophenol	Jan 23/12	ND	ug/L	N
2,4-Dichlorophenoxy acetic acid (2,4-D)	Jan 23/12	ND	ug/L	N
Diclofop-methyl	Jan 23/12	ND	ug/L	N
Dimethoate	Jan 23/12	ND	ug/L	N
Dinoseb	Jan 23/12	ND	ug/L	N

Diquat	Jan 23/12	ND	ug/L	N
Diuron	Jan 23/12	ND	ug/L	N
Glyphosate	Jan 23/12	ND	ug/L	N
Heptachlor + Heptachlor Epoxide	Jan 23/12	ND	ug/L	N
Lindane (Total)	Jan 23/12	ND	ug/L	N
Malathion	Jan 23/12	ND	ug/L	N
Methoxychlor	Jan 23/12	ND	ug/L	N
Metolachlor	Jan 23/12	ND	ug/L	N
Metribuzin	Jan 23/12	ND	ug/L	N
Monochlorobenzene	Jan 23/12	ND	ug/L	N
Paraquat	Jan 23/12	ND	ug/L	N
Parathion	Jan 23/12	ND	ug/L	N
Pentachlorophenol	Jan 23/12	ND	ug/L	N
Phorate	Jan 23/12	ND	ug/L	N
Picloram	Jan 23/12	ND	ug/L	N
Polychlorinated Biphenyls(PCB)	Jan 23/12	ND	ug/L	N
Prometryne	Jan 23/12	ND	ug/L	N
Simazine	Jan 23/12	ND	ug/L	N
THM (NOTE: show latest annual average)	Jan 23/12	ND	ug/L	N
Temephos	Jan 23/12	ND	ug/L	N
Terbufos	Jan 23/12	ND	ug/L	N
Tetrachloroethylene	Jan 23/12	ND	ug/L	N
2,3,4,6-Tetrachlorophenol	Jan 23/12	ND	ug/L	N
Triallate	Jan 23/12	ND	ug/L	N
Trichloroethylene	Jan 23/12	ND	ug/L	N
2,4,6-Trichlorophenol	Jan 23/12	ND	ug/L	N
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	Jan 23/12	ND	ug/L	N
Trifluralin	Jan 23/12	ND	ug/L	N
Vinyl Chloride	Jan 23/12	ND	ug/L	N

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
Sodium	120000	ug/L	Jan 31/12
Fluoride	2.23	Mg/L	Jan 31/12