



**RAINY RIVER DISTRICT
SCHOOL BOARD**

**DRINKING WATER
SYSTEM**

1 April 2016 – 31 March 2017

ANNUAL REPORTS

Nestor Falls School

Drinking-Water Systems Regulation O. Reg. 170/03
OPTIONAL ANNUAL REPORT TEMPLATE

Drinking-Water System Number:	260009802
Drinking-Water System Name:	Nestor Falls School Well Supply
Drinking-Water System Owner:	Rainy River District School Board
Drinking-Water System Category:	Small non-municipal non-residential
Period being reported:	April 1, 2016 – March 31, 2017

<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:</p> <div style="border: 1px solid black; width: 100px; text-align: center; padding: 2px;">1</div> <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:</p> <div style="border: 1px solid black; width: 100px; text-align: center; padding: 2px;">1</div> <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	

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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 []
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 School Newsletter

Describe your Drinking-Water System

The water for Nestor Falls School is supplied from a drilled well. The treatment system includes a sediment filter and an Ultra Violet disinfection system. Although not required by regulation, a small amount of sodium hypochlorite (chlorine) is injected into the system to prevent bacterial re-growth.

List all water treatment chemicals used over this reporting period

Sodium Hypochlorite (disinfection)

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

Study of existing system and well in order to replace after October adverse-\$4840.92, Chlorinate well after October Adverse-\$1615.75, Installation of new chlorinator pump-\$1063.37, Chlorinate well again to eliminate bacteria-\$5344.90. Total costs-\$12864.94.

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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
3 Oct 2016	Ecoli	1	CFU	Ongoing to replace well and treatment system.	Ongoing (Aug 2017)
3 Oct 2016	Coliforms	14	CFU		
17Jun2016	Sodium	25.9	mg/L	Post signs and send a letter home to parents.	13 Jul 2016

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	15	0-23 CFU	0 ->2420 CFU	N/A	
Treated	N/A				
Distribution	18	0-1 CFU	0-14 CFU	15	0 - >300

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	200	0.17 – 2.22	mg/L	
Fluoride (If the DWS provides fluoridation)	N/A			

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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

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	9-Jun-2016	<0.60	ug/L	No
Arsenic	9-Jun-2016	<1.0	ug/L	No
Barium	9-Jun-2016	44	ug/L	No
Boron	9-Jun-2016	<50	ug/L	No
Cadmium	9-Jun-2016	<0.10	ug/L	No
Chromium	9-Jun-2016	<1.0	ug/L	No
*Lead	N/A			
Mercury	9-Jun-2016	<0.10	ug/L	No
Selenium	9-Jun-2016	<1.0	ug/L	No
Sodium	22-Jun-2016	29.0	mg/L	Yes
Uranium	9-Jun-2016	<2.0	ug/L	No
Fluoride	9-Jun-2016	0.128	mg/L	No
Nitrite	9-Jan-2017	<0.010	mg/L	No
Nitrate	9-Jan-2017	0.029	mg/L	No

*only for drinking water systems testing under Schedule 15.2; this includes large municipal nonresidential 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	N/A			
Distribution	N/A			

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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
Alachlor	9-Jun-2016	<0.10	ug/L	No
Atrazine + N-dealkylated metabolites	9-Jun-2016	<0.20	ug/L	No
Azinphos-methyl	9-Jun-2016	<0.10	ug/L	No
Benzene	17Jun2016	<0.50	ug/L	No
Benzo(a)pyrene	9-Jun-2016	<0.010	ug/L	No
Bromoxynil	9-Jun-2016	<0.20	ug/L	No
Carbaryl	9-Jun-2016	<0.20	ug/L	No
Carbofuran	9-Jun-2016	<0.20	ug/L	No
Carbon Tetrachloride	17Jun2016	<0.50	ug/L	No
Chlordane (Total)	9-Jun-2016	<0.30	ug/L	No
Chlorpyrifos	9-Jun-2016	<0.10	ug/L	No
Diazinon	9-Jun-2016	<0.10	ug/L	No
Dicamba	9-Jun-2016	<0.20	ug/L	No
1,2-Dichlorobenzene	17Jun2016	<0.50	ug/L	No
1,4-Dichlorobenzene	17Jun2016	<0.50	ug/L	No
1,2-Dichloroethane	17Jun2016	<0.50	ug/L	No
1,1-Dichloroethylene (vinylidene chloride)	17Jun2016	<0.50	ug/L	No
Dichloromethane	17Jun2016	<5.0	ug/L	No
2-4 Dichlorophenol	9-Jun-2016	<0.30	ug/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	9-Jun-2016	<0.20	ug/L	No
Diclofop-methyl	9-Jun-2016	<0.20	ug/L	No
Dimethoate	9-Jun-2016	<0.10	ug/L	No
Diquat	9-Jun-2016	<1.0	ug/L	No
Diuron	9-Jun-2016	<1.0	ug/L	No
Glyphosate	9-Jun-2016	<5.0	ug/L	No
Malathion	9-Jun-2016	<0.10	ug/L	No
2 Methyl-4-chlorophenoxyacetic acid (MCPA)	9-Jun-2016	<0.20	ug/L	No
Metolachlor	9-Jun-2016	<0.10	ug/L	No
Metribuzin	9-Jun-2016	<0.10	ug/L	No
Monochlorobenzene	17Jun2016	<0.50	ug/L	No
Paraquat	9-Jun-2016	<1.0	ug/L	No
Pentachlorophenol	9-Jun-2016	<0.50	ug/L	No

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Phorate	9-Jun-2016	<0.10	ug/L	No
Picloram	9-Jun-2016	<0.20	ug/L	No
Polychlorinated Biphenyls(PCB)	9-Jun-2016	<0.035	ug/L	No
Prometryne	9-Jun-2016	<0.10	ug/L	No
Simazine	9-Jun-2016	<0.10	ug/L	No
THM (NOTE: show latest annual average)	N/A			No
Terbufos	9-Jun-2016	<0.20	ug/L	No
Tetrachloroethylene	17Jun2016	<0.50	ug/L	No
2,3,4,6-Tetrachlorophenol	9-Jun-2016	<0.50	ug/L	No
Triallate	9-Jun-2016	<0.10	ug/L	No
Trichloroethylene	17Jun2016	<0.50	ug/L	No
2,4,6-Trichlorophenol	9-Jun-2016	<0.50	ug/L	No
Trifluralin	9-Jun-2016	<0.10	ug/L	No
Vinyl Chloride	17Jun2016	<0.20	ug/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
N/A			