



**RAINY RIVER DISTRICT
SCHOOL BOARD**

**DRINKING WATER
SYSTEM**

2015

ANNUAL REPORTS

STURGEON CREEK SCHOOL



OPTIONAL ANNUAL REPORT TEMPLATE

Drinking-Water System Number:	260009841
Drinking-Water System Name:	Sturgeon Creek 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, 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 [] 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 Sturgeon Creek School is supplied from a drilled well. The water treatment system includes an iron removal unit, water softener to remove the hardness, a sediment filter and an Ultra Violet disinfection system to disinfect the water. Although not required by regulation, a small amount of sodium hypochlorite (chlorine) is injected into the system to carry a disinfection residual throughout the system, preventing bacterial re-growth.

List all water treatment chemicals used over this reporting period

Sodium Hypochlorite (disinfection)
Potassium Chloride (water softener)

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

Installed chlorinator pump bleed valve, serviced iron remover, installed larger iron remover and micronizer. Total cost \$1,268.90

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
None					

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	26	All Absent - <1	All Absent - <1	N/A	
Treated	N/A				
Distribution	17	All Absent - <1	All Absent - <1	13	0 - >2000

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	12	0.11 – 0.32	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	May 19, 2011	<0.60	ug/L	No
Arsenic	May 19, 2011	<0.1	ug/L	No
Barium	May 19, 2011	<10	ug/L	No
Boron	May 19, 2011	112	ug/L	No
Cadmium	May 19, 2011	<0.10	ug/L	No
Chromium	May 19, 2011	1.7	ug/L	No
*Lead	N/A			
Mercury	May 19, 2011	<0.10	ug/L	No
Selenium	May 19, 2011	<1.0	ug/L	No
Sodium	August 17, 2011	19.7	mg/L	No
Uranium	May 19, 2011	5.7	ug/L	No
Fluoride	May 9, 2011	0.255	mg/L	No
Nitrite	January 6, 2016	<0.010	mg/L	No
Nitrate	January 6, 2016	0.19	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	N/A			
Distribution	N/A			

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	May 9/11	<0.10	ug/L	No
Aldicarb	May 9/11	<1.0	ug/L	No
Aldrin + Dieldrin	May 9/11	<0.040	ug/L	No
Atrazine + N-dealkylated metabolites	May 9/11	<0.20	ug/L	No
Azinphos-methyl	May 9/11	<0.10	ug/L	No
Bendiocarb	May 9/11	<0.20	ug/L	No
Benzene	May 9/11	<0.50	ug/L	No
Benzo(a)pyrene	May 9/11	<0.010	ug/L	No
Bromoxynil	May 9/11	<0.20	ug/L	No
Carbaryl	May 9/11	<0.20	ug/L	No
Carbofuran	May 9/11	<0.20	ug/L	No
Carbon Tetrachloride	May 9/11	<0.50	ug/L	No
Chlordane (Total)	May 9/11	<0.30	ug/L	No
Chlorpyrifos	May 9/11	<0.10	ug/L	No
Cyanazine	May 9/11	<0.10	ug/L	No
Diazinon	May 9/11	<0.10	ug/L	No
Dicamba	May 9/11	<0.20	ug/L	No
1,2-Dichlorobenzene	May 9/11	<0.50	ug/L	No
1,4-Dichlorobenzene	May 9/11	<0.50	ug/L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	May 9/11	<0.40	ug/L	No
1,2-Dichloroethane	May 9/11	<0.50	ug/L	No
1,1-Dichloroethylene (vinylidene chloride)	May 9/11	<0.50	ug/L	No
Dichloromethane	May 9/11	<0.50	ug/L	No
2-4 Dichlorophenol	May 9/11	<0.30	ug/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	May 9/11	<0.20	ug/L	No
Diclofop-methyl	May 9/11	<0.20	ug/L	No
Dimethoate	May 9/11	<0.10	ug/L	No
Dinoseb	May 9/11	<0.20	ug/L	No



Diquat	May 9/11	<1.0	ug/L	No
Diuron	May 9/11	<1.0	ug/L	No
Glyphosate	May 9/11	<5.0	ug/L	No
Heptachlor + Heptachlor Epoxide	May 9/11	<0.20	ug/L	No
Lindane (Total)	May 9/11	<0.10	ug/L	No
Malathion	May 9/11	<0.10	ug/L	No
Methoxychlor	May 9/11	<0.10	ug/L	No
Metolachlor	May 9/11	<0.10	ug/L	No
Metribuzin	May 9/11	<0.10	ug/L	No
Monochlorobenzene	May 9/11	<0.50	ug/L	No
Paraquat	May 9/11	<1.0	ug/L	No
Parathion	May 9/11	<0.10	ug/L	No
Pentachlorophenol	May 9/11	<0.50	ug/L	No
Phorate	May 9/11	<0.10	ug/L	No
Picloram	May 9/11	<0.20	ug/L	No
Polychlorinated Biphenyls(PCB)	May 9/11	<0.035	ug/L	No
Prometryne	May 9/11	<0.10	ug/L	No
Simazine	May 9/11	<0.10	ug/L	No
THM (NOTE: show latest annual average)	N/A			No
Temephos	May 9/11	<0.10	ug/L	No
Terbufos	May 9/11	<0.20	ug/L	No
Tetrachloroethylene	May 9/11	<0.50	ug/L	No
2,3,4,6-Tetrachlorophenol	May 9/11	<0.50	ug/L	No
Triallate	May 9/11	<0.10	ug/L	No
Trichloroethylene	May 9/11	<0.50	ug/L	No
2,4,6-Trichlorophenol	May 9/11	<0.50	ug/L	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	May 9/11	<0.20	ug/L	No
Trifluralin	May 9/11	<0.10	ug/L	No
Vinyl Chloride	May 9/11	<0.50	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
Sodium	19.7	mg/L	August 17, 2011