



**RAINY RIVER DISTRICT
SCHOOL BOARD**

**DRINKING WATER
SYSTEM**

2015

ANNUAL REPORTS

CROSSROADS SCHOOL



OPTIONAL ANNUAL REPORT TEMPLATE

| | |
|--|-------------------------------------|
| Drinking-Water System Number: | 260009776 |
| Drinking-Water System Name: | Crossroads 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> |
|---|---|

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

Water for Crossroads school is supplied from a drilled well. The treatment system includes a water softener, 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)
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. Total Cost \$69.00

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 | 24 | All Absent | All Absent | N/A | |
| Treated | N/A | | | | |
| Distribution | 16 | All Absent | All Absent | 12 | 0 - 62 |

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 | 0.15 – 0.29 | 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 | 6.1 | ug/L | No |
| Barium | May 19, 2011 | 14 | ug/L | No |
| Boron | May 19, 2011 | 214 | ug/L | No |
| Cadmium | May 19, 2011 | <0.10 | ug/L | No |
| Chromium | May 19, 2011 | <1.0 | 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 | 6.72 | mg/L | No |
| Uranium | May 19, 2011 | 3.2 | ug/L | No |
| Fluoride | May 9, 2011 | 0.619 | mg/L | No |
| Nitrite | January 6, 2016 | <0.010 | mg/L | No |
| Nitrate | January 6, 2016 | <0.020 | 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 24/11 | <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 24/11 | <0.20 | ug/L | No |
| 1,2-Dichlorobenzene | May 24/11 | <0.50 | ug/L | No |
| 1,4-Dichlorobenzene | May 24/11 | <0.50 | ug/L | No |
| Dichlorodiphenyltrichloroethane (DDT) + metabolites | May 24/11 | <0.40 | ug/L | No |
| 1,2-Dichloroethane | May 24/11 | <0.50 | ug/L | No |
| 1,1-Dichloroethylene (vinylidene chloride) | May 24/11 | <0.50 | ug/L | No |
| Dichloromethane | May 24/11 | <0.50 | ug/L | No |
| 2-4 Dichlorophenol | May 24/11 | <0.30 | ug/L | No |
| 2,4-Dichlorophenoxy acetic acid (2,4-D) | May 24/11 | <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 24/11 | <0.20 | ug/L | No |
| Diquat | May 24/11 | <1.0 | ug/L | No |
| Diuron | May 24/11 | <1.0 | ug/L | No |
| Glyphosate | May 24/11 | <5.0 | ug/L | No |
| Heptachlor + Heptachlor Epoxide | May 24/11 | <0.20 | ug/L | No |
| Lindane (Total) | May 24/11 | <0.10 | ug/L | No |
| Malathion | May 24/11 | <0.10 | ug/L | No |
| Methoxychlor | May 24/11 | <0.10 | ug/L | No |
| Metolachlor | May 24/11 | <0.10 | ug/L | No |
| Metribuzin | May 24/11 | <0.10 | ug/L | No |
| Monochlorobenzene | May 24/11 | <0.50 | ug/L | No |
| Paraquat | May 24/11 | <1.0 | ug/L | No |
| Parathion | May 24/11 | <0.10 | ug/L | No |
| Pentachlorophenol | May 24/11 | <0.50 | ug/L | No |
| Phorate | May 9/11 | <0.10 | ug/L | No |
| Picloram | May 24/11 | <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 24/11 | <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 24/11 | <0.50 | ug/L | No |
| 2,4,5-Trichlorophenoxy acetic acid (2,4,5-T) | May 24/11 | <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 |
|-----------|--------------|-----------------|----------------|
| N/A | | | |
| | | | |