



OPTIONAL ANNUAL REPORT TEMPLATE

Drinking-Water System Number:	260042601
Drinking-Water System Name:	Manitoba Pioneer Camp
Drinking-Water System Owner:	Inter-Varsity Christian Fellowship
Drinking-Water System Category:	Non-Municipal Non Residential, Designated facility
Period being reported:	May 1, 2016-September 15, 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 [x]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [x] 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; padding: 5px; margin-top: 5px;"> <p>On site location, McKinnion Island Shoal Lake Ont.</p> </div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: <input style="width: 50px;" type="text" value="1"/></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: <input style="width: 50px;" type="text" value="1"/></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
Manitoba Pioneer Camp – Shoal Lake	260042601

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 [x] No []



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

Surface water – Shoal Lake, Northwest Ontario
 Water is filtered first with a sediment filter.
 Water is then filtered with two cartridge filters, first 10 micron and second 5 micron
 Water is then disinfected
 Primary disinfectant – UV
 Secondary (distribution) Disinfectant - Chlorine

List all water treatment chemicals used over this reporting period

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

**Only regular maintenance for example,
 Replace UV lamp and glass sleeve.
 Replace sediment medium in sediment filter.**

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

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					
Treated					
Distribution	11	<1, absent in all samples	<1, absent in all samples	6	0-530

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			
Chlorine	55	0.08-2.2	mg/l
Fluoride (If the DWS provides fluoridation)			

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	Sept. 22, 2015	<0.60	ug/L	6
Arsenic	Sept. 22, 2015	<0.10	ug/L	25
Barium	Sept. 22, 2015	15	ug/L	1000
Boron	Sept. 22, 2015	<0.50	ug/L	5000
Cadmium	Sept. 22, 2015	<0.10	ug/L	5
Chromium	Sept. 22, 2015	<1.0	ug/L	50
*Lead	Sept. 22, 2016	<1.0	ug/L	1
Mercury	Sept. 22, 2015	<0.10	ug/L	1
Selenium	Sept. 22, 2015	<1.0	ug/L	10

Sodium	Sept. 22, 2015	7.74	mg/L	20
Uranium	Sept. 22, 2015	<2.0	ug/L	20
Fluoride	Sept. 22, 2015	0.041	mg/L	1.5
Nitrite	Sept. 22, 2016	<0.020	mg/L	1
Nitrate	Sept. 22, 2016	<0.010	mg/L	3

*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	Sept. 22 2015	<0.010	ug/L	5
Aldicarb	Sept. 22 2015	<1.0	ug/L	9
Aldrin + Dieldrin	Sept. 22 2015	<0.040	ug/L	
Atrazine + N-dealkylated metabolites	Sept. 22 2015	<0.10	ug/L	5
Azinphos-methyl	Sept. 22 2015	<0.10	ug/L	20
Bendiocarb	Sept. 22 2015	<0.20	ug/L	40
Benzene	Sept. 22 2015	<0.50	ug/L	5
Benzo(a)pyrene	Sept. 22 2015	<0.01	ug/L	0.01
Bromoxynil	Sept. 22 2015	<0.20	ug/L	5
Carbaryl	Sept. 22 2015	<0.20	ug/L	90
Carbofuran	Sept. 22 2015	<0.20	ug/L	90
Carbon Tetrachloride	Sept. 22 2015	<0.50	ug/L	5
Chlordane (Total)	Sept. 22 2015	<0.30	ug/L	7
Chlorpyrifos	Sept. 22 2015	<0.10	ug/L	90
Cyanazine	Sept. 22 2015	<0.10	ug/L	10
Diazinon	Sept. 22 2015	<0.10	ug/L	20
Dicamba	Sept. 22 2015	<0.20	ug/L	120
1,2-Dichlorobenzene	Sept. 22 2015	<0.50	ug/L	200
1,4-Dichlorobenzene	Sept. 22 2015	<0.50	ug/L	5
Dichlorodiphenyltrichloroethane (DDT) + metabolites	Sept. 22 2015	<0.40	ug/L	30
1,2-Dichloroethane	Sept. 22 2015	<0.50	ug/L	5
1,1-Dichloroethylene (vinylidene chloride)	Sept. 22 2015	<0.50	ug/L	14



Dichloromethane	Sept. 22 2015	<5.0	ug/L	50
2-4 Dichlorophenol	Sept. 22 2015	<0.30	ug/L	900
2,4-Dichlorophenoxy acetic acid (2,4-D)	Sept. 22 2015	<0.20	ug/L	100
Diclofop-methyl	Sept. 22 2015	<0.20	ug/L	9
Dimethoate	Sept. 22 2015	<0.10	ug/L	20
Dinoseb	Sept. 22 2015	<0.20	ug/L	10
Diquat	Sept. 22 2015	<1.0	ug/L	70
Diuron	Sept. 22 2015	<1.0	ug/L	150
Glyphosate	Sept. 22 2015	<5.0	ug/L	280
Heptachlor + Heptachlor Epoxide	Sept. 22 2015	<0.20	ug/L	
Lindane (Total)	Sept. 22 2015	<0.10	ug/L	4
Malathion	Sept. 22 2015	<0.10	ug/L	190
Methoxychlor	Sept. 22 2015	<0.10	ug/L	900
Metolachlor	Sept. 22 2015	<0.10	ug/L	50
Metribuzin	Sept. 22 2015	<0.10	ug/L	80
Monochlorobenzene	Sept. 22 2015	<0.50	ug/L	80
Paraquat	Sept. 22 2015	<1.0	ug/L	10
Parathion	Sept. 22 2015	<0.10	ug/L	50
Pentachlorophenol	Sept. 22 2015	<0.50	ug/L	60
Phorate	Sept. 22 2015	<0.10	ug/L	2
Picloram	Sept. 22 2015	<0.20	ug/L	190
Polychlorinated Biphenyls(PCB)	Sept. 22 2015	<0.035	ug/L	3
Prometryne	Sept. 22 2015	<0.10	ug/L	1
Simazine	Sept. 22 2015	<0.10	ug/L	10
THM (NOTE: show latest annual average)			ug/L	
Temephos	Sept. 22 2015	<0.10	ug/L	280
Terbufos	Sept. 22 2015	<0.20	ug/L	1
Tetrachloroethylene	Sept. 22 2015	<0.50	ug/L	30
2,3,4,6-Tetrachlorophenol	Sept. 22 2015	<0.50	ug/L	100
Triallate	Sept. 22 2015	<0.10	ug/L	230
Trichloroethylene	Sept. 22 2015	<0.50	ug/L	5
2,4,6-Trichlorophenol	Sept. 22 2015	<0.50	ug/L	5
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	Sept. 22 2015	<0.20	ug/L	280
Trifluralin	Sept. 22 2015	<0.10	ug/L	45
Vinyl Chloride	Sept. 22 2015	<0.20	ug/L	2

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