

Part III Form 2
 Section 11. **ANNUAL REPORT.**

Drinking-Water System Number:	260036387
Drinking-Water System Name:	Camp Gitchigomee Water Treatment Plant
Drinking-Water System Owner:	Camp Gitchigomee
Drinking-Water System Category:	Small non-municipal non residential
Period being reported:	April 1, 2016 to October 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 [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; height: 80px; 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; padding: 2px; display: inline-block; margin-bottom: 10px;">one</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; padding: 2px; display: inline-block; margin-bottom: 10px;">none</div> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [] No [] N/A</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
N/A; point – of entry system only	N/A

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 [] 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
- **notification to be tabled during Camp Gitchigomee annual meeting, in March, 2017, and included in 2016 Camp report**
- **notification of report availability in annual camp brochures**
- **on the camp website, at <http://www.campgitchigomee.ca>**

Describe your Drinking-Water System

The system at Camp Gitchigomee is a point of entry unit, located in the dining hall/kitchen building. Distribution taps are located in the kitchen, in the dining hall and at an outside sink. Raw water is obtained from an intake located 60 meters offshore, in Sandstone Creek. A jet pump, located on shore pumps the water into the storage room of the dining hall/kitchen, where the water is filtered with three progressively finer filters – the last one being a one micron absolute unit.

Filtered water is then directed through a flow restrictor, a solenoid unit, and then through an ultraviolet disinfection unit, and finally, into the distribution system within the building. The flow restrictor ensures that the water spends enough time in the UV unit to provide optimal disinfection. The solenoid provides automatic shut-off of the water if the UV intensity is too low, or if the power fails. A remote alarm will also sound in the kitchen if the UV intensity is too low.

Technical details of the system are provided in the Engineering evaluation Report, prepared by Cook Engineering, Thunder Bay, available on request from Jim Sutton, (807) 622-6263.

The drinking water system is seasonally operated only – typically for children’s camps during the month of July. The system is otherwise primarily used during weekends for rental groups, church retreats, picnic, etc. The water system is completely dismantled at the end of the season, usually on the Thanksgiving weekend. It is reinstalled in May of the following year.

List all water treatment chemicals used over this reporting period

none

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

new filters, UV bulb, turbidity standards; approx. \$700

Drinking-Water Systems Regulation O. Reg. 170/03

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	0				
Treated					
Distribution	5	0/absent	0/absent	4	3-171

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 #)
Turbidity	51	0.14 – 0.66 N.T.U.
Chlorine		
Fluoride (If the DWS provides fluoridation)		

***NOTE:** For continuous monitors use 8760 as the number of samples.*

***NOTE:** Record the unit of measure if it is not milligrams per litre.*

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 most recent

Parameter	Sample Date	Result Value	Unit of Measure	Exceedence
Schedule 23 Metals (O. Reg 170/03)				
Antimony	June 28, 2014	<0.60	ug/L	
Arsenic	June 28, 2014	<1.0	ug/L	
Barium	June 28, 2014	<10	ug/L	
Boron	June 28, 2014	<50	ug/L	
Cadmium	June 28, 2014	<0.10	ug/L	

Drinking-Water Systems Regulation O. Reg. 170/03

Chromium	June 28, 2014	<1.0	ug/L	
Lead	June 23, 2016	<1.0	ug/L	
Mercury	June 28, 2014	<0.10	ug/L	
Selenium	June 28, 2014	<5.0	ug/L	
Uranium	June 28, 2014	<5.0	ug/L	
Nitrate, Nitrite, Sodium, Fluoride				
Nitrate and Nitrite as N	June 23, 2016	<0.040	mg/L	
Nitrite	June 23, 2016	<0.010	mg/L	
Nitrate	June 23, 2016	<0.020	mg/L	
Sodium	June 28, 2014	1.37	mg/L	
Fluoride	June 28, 2014	0.059	mg/L	

Summary of Organic parameters sampled during this reporting period or most recent

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Schedule 24 (O. Reg 170/03)				
Aldicarb	June 28/14	<1.0	ug/L	
Diquat	June 28/14	<1.0	ug/L	
Diuron	June 28/14	<1.0	ug/L	
Glyphosate	June 28/14	<5.0	ug/L	
O. Reg 170/03 Acids				
2-4 Dichlorophenol	June 28/14	<0.30	ug/L	
2,4,6-Trichlorophenol	June 28/14	<0.50	ug/L	
2,3,4,6-Tetrachlorophenol	June 28/14	<0.50	ug/L	
Pentachlorophenol	June 28/14	<0.50	ug/L	
Surr: 2,4,6-Tribromophenol	June 28/14	106.6	%	
O. Reg 170/03 Misc. Pesticides				
Atrazine Desethyl	June 28/14	<0.10	ug/L	
Atrazine	June 28/14	<0.10	ug/L	
Bendiocarb	June 28/14	<0.20	ug/L	
Trifluralin	June 28/14	<0.10	ug/L	
Phorate	June 28/14	<0.10	ug/L	
Dimethoate	June 28/14	<0.10	ug/L	
Simazine	June 28/14	<0.10	ug/L	
Carbofuran	June 28/14	<0.20	ug/L	
Terbufos	June 28/14	<0.20	ug/L	
Diazinon	June 28/14	<0.10	ug/L	
Triallate	June 28/14	<0.10	ug/L	
Metribuzin	June 28/14	<0.10	ug/L	
Carbaryl	June 28/14	<0.20	ug/L	

Drinking-Water Systems Regulation O. Reg. 170/03

Alachlor	June 28/14	<0.10	ug/L	
Prometryne	June 28/14	<0.10	ug/L	
Malathion	June 28/14	<0.10	ug/L	
Metolachlor	June 28/14	<0.10	ug/L	
Parathion	June 28/14	<0.10	ug/L	
Cyanazine	June 28/14	<0.10	ug/L	
Chlorpyrifos	June 28/14	<0.10	ug/L	
Diclofop-methyl	June 28/14	<0.20	ug/L	
Azinphos-methyl	June 28/14	<0.10	ug/L	
Benzo(a)pyrene	June 28/14	<0.010	ug/L	
Temephos	June 28/14	<0.10	ug/L	
Atrazine & Metabolites	June 28/14	<0.20	ug/L	
Surr: 2-Flourobiphenyl	June 28/14	97.7	%	
O. Reg 170/03 OC Pesticides				
Lindane	June 28/14	<0.10	ug/L	
Heptachlor	June 28/14	<0.10	ug/L	
Heptachlor Epoxide	June 28/14	<0.10	ug/L	
Oxychlordane	June 28/14	<0.10	ug/L	
gamma-chlordane	June 28/14	<0.10	ug/L	
Alpha-chlordane	June 28/14	<0.10	ug/L	
Aldrin	June 28/14	<0.020	ug/L	
Dieldrin	June 28/14	<0.020	ug/L	
p,p-DDE	June 28/14	<0.10	ug/L	
p,p-DDD	June 28/14	<0.10	ug/L	
p,p-DDT	June 28/14	<0.10	ug/L	
o,p-DDT	June 28/14	<0.10	ug/L	
Methoxychlor	June 28/14	<0.10	ug/L	
Aldrin + Dieldrin	June 28/14	<0.040	ug/L	
DDT + metabolites	June 28/14	<0.40	ug/L	
Heptachlor + Heptachlor epoxide	June 28/14	<0.20	ug/L	
Chlordane (Total)	June 28/14	<0.30	ug/L	
Surr:d14-Terphenyl	June 28/14	111.3	%	
O. Reg 170/03 PA Herbicides				
Dicamba	June 28/14	<0.20	ug/L	
Bromoxnyl	June 28/14	<0.20	ug/L	
2,4-Dichlorophenoxy acetic acid (2,4-D)	June 28/14	<0.20	ug/L	
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	June 28/14	<0.20	ug/L	
Disenoseb	June 28/14	<0.20		
Picloram	June 28/14	<0.20	ug/L	
Surr: 2,4-Dichlorophenylacetic Acid	June 28/14	102.7	%	

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O. Reg 170/03 PCBs				
Aroclor 1242	June 28/14	<0.020	ug/L	
Aroclor 1254	June 28/14	<0.020	ug/L	
Aroclor 1260	June 28/14	<0.020	ug/L	
Total PCBs	June 28/14	<0.035	ug/L	
Surr: d14-Terphenyl	June 28/14	100.5	%	
Paraquat	June 28/14	<1.0	ug/L	
Volatile Organics (O. Reg 170/03)				
Vinyl Chloride	June 28/14	<0.20	ug/L	
1,1-Dichloroethylene (vinylidene chloride)	June 28/14	<0.50	ug/L	
Dichloromethane	June 28/14	<5.0	ug/L	
1,2 dichloromethane	June 28/14	<0.50	ug/L	
Carbon Tetrachloride	June 28/14	<0.50	ug/L	
Benzene	June 28/14	<0.50	ug/L	
Trichloroethylene	June 28/14	<0.50	ug/L	
Tetrachloroethylene	June 28/14	<0.50	ug/L	
Monochlorobenzene	June 28/14	<0.50	ug/L	
1,2-Dichlorobenzene	June 28/14	<0.50	ug/L	
1,4-Dichlorobenzene	June 28/14	<0.50	ug/L	
Surr: 1,4-Difluorobenzene	June 28/14	100.9	%	
Surr: 4-Bromofluorobenzene	June 28/14	95.1	%	

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

(Only if DWS category is large municipal residential, small municipal residential, large municipal non residential, non municipal year round residential, large non municipal non residential)