

Golden Lake United Church Camp-Assembly Hall 2023

Annual Report

ANNUAL REPORT TEMPLATE

Drinking-Water System Number: Drinking-Water System Name: Drinking-Water System Category: Period being reported:

260034892	
Golden Lake United Church Camp-Assembly Hall	l
Small Non-Municipal Non-Residential System	
01/01/2023-12/31/2023	

Complete if your	Category is	Large .	<u>Municipal</u>
Residential or Sn	all Municip	al Resi	idential

Does your Drinking-Water System serve more than 10,000 people? Yes [] No [X]

Is your annual report available to the public at no charge on a web site on the Internet? Yes [x] No []

Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.

On file in the Assembly Hall office and at the following website: www.goldenlakecamp.ca

Complete for all other Categories.

Number of Designated Facilities served:

1

Did you provide a copy of your annual report to all Designated Facilities you serve?

Yes [X] No []

Number of Interested Authorities you report to: 0

Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [] No [X]

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:

Ī	Drinking Water System Name	Drinking Water System Number
	GLUCC Assembly Hall	260034892

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.
[x] 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
Please see page 9
Tiease see page 7
List all water treatment chemicals used over this reporting period
N/A
Ware any significant expenses incurred to 2
Were any significant expenses incurred to? No [x] Yes [] Install required equipment
No Yes Repair required equipment
No [Yes[x Replace required equipment- Public Works Report No.2020-33
1.0 [] 1.05[A] Replace required equipment- I done works Report 1.0.2020-33

Please provide a brief description and a breakdown of monetary expenses incurred

Replaced filters and UV Lamps \$750

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	Range of E.Coli	Range of Total	Number	Range of HPC
	of	Or Fecal	Coliform	of HPC	Results
	Samples	Results	Results	Samples	(min #)-(max #)
		(min #)-(max #)	(min #)-(max #)		
Raw					
Treated	PL	EASE SEE PAGE	S 10-16		
Distribution					

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the

period covered by this Annual Report.

Number of	Range of Results
Grab	(min #)-(max #)
Samples	

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

Turbidity	
Chlorine	
Tecumseh Water	
Tower	
Chlorine	
Distribution Free	
Chlorine Residuals	
Fluoride (If the	
DWS provides	
fluoridation)	

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

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				
Arsenic				
Barium				
Boron				
Cadmium				
Chromium				
*Lead				
Mercury				
Selenium				
Sodium				
Uranium				
Fluoride				
Nitrite				
Nitrate				

^{*}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 Distribution	Number of Samples	Alkalinity Result (range 30-500)	Lead Result (range 0-0.01)	Unit of Measure	Field pH (range 0-14)	Number of Exceedances	
Winter Session –	Winter Session – Collection Date:						

Location Type Distribution	Number of Samples	Alkalinity Result (range 30-500)	Lead Result (range 0-0.01)	Unit of Measure	Field pH (range 0-14)	Number of Exceedances		
Summer Session -	Summer Session – Collection Date:							

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	Date	Value	Wicasuic	
Aldicarb				
Aldrin + Dieldrin				
Atrazine + N-dealkylated metobolites				
Azinphos-methyl				
Bendiocarb				
Benzene				
Benzo(a)pyrene				
Bromoxynil				
Carbaryl				
Carbofuran				
Carbon Tetrachloride				
Chlordane (Total)				
Chlorpyrifos				
Cyanazine				
Diazinon				
Dicamba				
1,2-Dichlorobenzene				
1,4-Dichlorobenzene				
Dichlorodiphenyltrichloroethane (DDT) + metabolites				
1,2-Dichloroethane				

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

1,1-Dichloroethylene			
(vinylidene chloride)			
Dichloromethane			
2-4 Dichlorophenol 2,4-Dichlorophenoxy acet	ic acid (2,4-D)		
Diclofop-methyl			
Dimethoate			
Dinoseb			
Diquat			
Diuron			
Glyphosate			
Haloacetic Acids (HAAs)			
(NOTE: show latest running annual average)			
Heptachlor + Heptachlor Epoxide			
Lindane (Total)			
Malathion			
Methoxychlor			
Metolachlor			
Metribuzin			
Monochlorobenzene			
Paraquat			
Parathion			
Pentachlorophenol			
Phorate			
Picloram			
Polychlorinated Biphenyls(PCB)			
Prometryne			
Simazine			
THM			
(NOTE: show latest running annual average) Temephos	quarter		
Terbufos			
Tetrachloroethylene			
2,3,4,6-Tetrachlorophenol			
Triallate			
Trichloroethylene			
2,4,6-Trichlorophenol			
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)			
Trifluralin			
Vinyl Chloride		 	

Summary table for Running Annual Averages of Organic Parameters sampled during this reporting period.

	_					
Parameter	C	ample Date	Result	Running Annual	Unit of	Number of
Parameter	3	Sample Date	Result	Average	Measure	Exceedances



Parameter	Sample Date	Average Result	Running Annual Average	Unit of Measure	Number of Exceedances
THM					

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

Drinking Water System Description:

Golden Lake Camp has two identical water treatment systems, on in the Staff House at 54 McNee Drive, Golden Lake, ON, and the other in the Dining(Assembly) Hall at 63 McNee Drive, Golden Lake, ON.

They were installed in June 2004 and certified as complaint with the requirements of Regulation 170/03 by Jp2g Consultants Inc, of Pembroke, ON, in July of the same year. Each system is classified as 'small, non-municipal non-residential', providing potable water for a children's camp, which is a 'designated facility'. Each of the two systems is fed from its own well, classified as GUDI (Ground Water Under the Influence of Surface Water). Therefore, a cartridge filtration system and UV disinfection system in compliance with 'Procedure for Disinfection of Drinking Water in Ontario' were specified for and installed on each system.

To provide the required disinfection, the installations employ a Point-of-Entry system in each building, consisting of cartridge filtration followed by UV disinfection. Each point of entry system has two parallel trains of cartridge filters, with each train consisting of a 5 micron nominal and a 1 micron absolute filter.

Each UV unit installed is a Hallet Model 13, rated to provide minimum of 65mJ/cm2 at 13 USgpm and UVT of 75% at end of lamp life. The UV system has solenoid shut-off, so that on alarm or failure to disinfect, the solenoid closes, shutting off flow to the water system. Dual lamp sensors are used for UV and water quality, with flow shut off low UV or poor water quality. The UV equipment is NSF/ANSI 55 Class 55 A rated, and has flow limiter to limit maximum flow to maximum rated flow.



146 Colonnade Rd, Unit 8, Ottawa, ON K2E 7Y1 (613) 727-5692

OFFICIAL CERTIFICATE OF ANALYSIS: 3620646

WORK REQUEST : 100226769 Report Date : 2023-07-07

Golden Lake Camp

DWS: GOLDEN LAKE UNITED CHURCH CAMP ASSEMBLY

HALL

DWS # : 260034892 Reception Date : 2023-07-05

Project: Drinking Water System Sampling

Sampler: NA

PO Number: Not Applicable

Temperature: 12 °C

Analysis	Quantity	External Method
E.Coli and Total Coliforms (DC Plate)	2	Modified from MECP E3407

Criteria:

RR #1

K0J 1X0

Golden Lake, ON

Attention: Alice Madigan

A: Ontario Regulation 170/03

Sample status upon receipt :

7049717 7049718 **Compliant**

Notes

- All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise stated.
- Eurofins Environment Testing Canada Inc. is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at https://directory.cala.ca/
- Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline or regulatory limits listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official guideline or regulation as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

Legend:



146 Colonnade Rd, Unit 8, Ottawa, ON K2E 7Y1 (613) 727-5692

OFFICIAL CERTIFICATE OF ANALYSIS - RESULTS

Client: Golden Lake Camp

Project : Drinking Water System Sampling Reception Date: 2023-07-05

DWS: 260034892 GOLDEN LAKE UNITED CHURCH CAMP ASSEMBLY HALL

			7049717	7049718					
	Drinking water	Drinking water							
				Samp	oling Date :	2023-07-04	2023-07-04		
			Client	Sample Ide	ntification :	Assembly	Assembly		
Microbiology (DC Plate)			Criteria			Hall/4892	Hall/4892		
	RL	Unit	Α	В	С	(RW)	(DW)		
E.Coli and Total Coliforms (DC Plate)									
Escherichia coli (DC)	0	CFU/100mL	0			0	0		
Total Coliforms (DC)	0	CFU/100mL	0			0	0		

Approved by:

Raheleh Zafari

Ottawa, Environmental Chemist, PhD



146 Colonnade Rd, Unit 8, Ottawa, ON K2E 7Y1 (613) 727-5692

OFFICIAL CERTIFICATE OF ANALYSIS - QUALITY CONTROL

Client: Golden Lake Camp

Project: Drinking Water System Sampling Reception Date: 2023-07-05

DWS: 260034892 GOLDEN LAKE UNITED CHURCH CAMP ASSEMBLY HALL

Damamatan	11-:4	DI	Blank	QC		Matrix Spike		Duplicate			
Parameter	Unit	RL		Recovery %	Range %	Recovery %	Range %	RPD %	Range %		
E.Coli and Total Coliforms (DC Plate)	Coli and Total Coliforms (DC Plate)										
Method : Total	Coliforms and E.C	Coli by MF (V	Vater, DC plate)	. Internal meth	nod: OTT-M-	BAC-WI45296					
Escherichia coli (DC)	CFU/100mL	0	0					0	0-30		
Total Coliforms (DC)	CFU/100mL	0	0					0	0-30		
	Associated Samples : 7049717, 7049718										
							Α	nalysis Date:	2023-07-07		

Where RPD % is reported as "-" the calculation is not available because one or both of the duplicates is within 5 times the RL.



Golden Lake Camp

Attention: Alice Madigan

Golden Lake, ON

Environment Testing

146 Colonnade Rd, Unit 8, Ottawa, ON K2E 7Y1 (613) 727-5692

OFFICIAL CERTIFICATE OF ANALYSIS: 3670127

WORK REQUEST : 100236419 Report Date : 2023-08-21

DWS: GOLDEN LAKE UNITED CHURCH CAMP ASSEMBLY

HALL

DWS #: 260034892 Reception Date: 2023-08-18

Project: Drinking Water System Sampling

Sampler: NA

PO Number: Not Applicable

Temperature: 14 °C

Analysis	Quantity	External Method
E.Coli and Total Coliforms (DC Plate)	2	Modified from MECP E3407

Criteria:

RR #1

K0J 1X0

A: Ontario Regulation 170/03

Sample status upon receipt :

7162662 7162664 **Compliant**

Notes

- All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise stated.
- Eurofins Environment Testing Canada Inc. is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at https://directory.cala.ca/
- Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline or regulatory limits listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official guideline or regulation as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

Legend:



146 Colonnade Rd, Unit 8, Ottawa, ON K2E 7Y1 (613) 727-5692

OFFICIAL CERTIFICATE OF ANALYSIS - EXCEEDENCE SUMMARY

Client: Golden Lake Camp

Project : Drinking Water System Sampling Reception Date : 2023-08-18

DWS: 260034892 GOLDEN LAKE UNITED CHURCH CAMP ASSEMBLY HALL

Eurofins	Client Sample		5	11.36		Exceeded Cı	riteria
Sample No	Sample No Identification Anal		Result	Units	Α	В	С
E.Coli and Tota	al Coliforms (DC Plate)						
7162662	Assembly Hall (RW)	Total Coliforms (DC)	30	CFU/100mL	0		



146 Colonnade Rd, Unit 8, Ottawa, ON K2E 7Y1 (613) 727-5692

OFFICIAL CERTIFICATE OF ANALYSIS - RESULTS

Client: Golden Lake Camp

Project : Drinking Water System Sampling Reception Date: 2023-08-18

DWS: 260034892 GOLDEN LAKE UNITED CHURCH CAMP ASSEMBLY HALL

			7162662	7162664					
			Drinking water	Drinking water					
				Samp	oling Date :	2023-08-17	2023-08-17		
			Client	Sample Ide	ntification :	Assembly	Assembly		
Microbiology (DC Plate)				Criteria		Hall (RW)	Hall (DW)		
	RL	Unit	Α	В	С				
E.Coli and Total Coliforms (DC Plate)									
Escherichia coli (DC)	0	CFU/100mL	0			0	0		
Total Coliforms (DC)	0	CFU/100mL	0			30	0		

Approved by:

Raheleh Zafari

Ottawa, Environmental Chemist, PhD



146 Colonnade Rd, Unit 8, Ottawa, ON K2E 7Y1 (613) 727-5692

OFFICIAL CERTIFICATE OF ANALYSIS - QUALITY CONTROL

Client: Golden Lake Camp

Project: Drinking Water System Sampling Reception Date: 2023-08-18

DWS: 260034892 GOLDEN LAKE UNITED CHURCH CAMP ASSEMBLY HALL

Parameter	Unit	RL	Blank	QC		Matrix Spike		Duplicate	
				Recovery %	Range %	Recovery %	Range %	RPD %	Range %
E.Coli and Total Coliforms (DC Plate)									
Method: Total Coliforms and E.Coli by MF (Water, DC plate). Internal method: OTT-M-BAC-WI45296.									
Escherichia coli (DC)	CFU/100mL	0	0						-
Total Coliforms (DC)	CFU/100mL	0	0						-
Associated Samples : 7162662, 7162664 Prep Date: 2023-08									2023-08-18
							A	Analysis Date:	2023-08-19

Where RPD % is reported as "-" the calculation is not available because one or both of the duplicates is within 5 times the RL.