

Golden Lake United Church Camp-Staff House

2022

Annual Report

Optional Annual Report Template

Drinking-Water System Number:	260034905
Drinking-Water System Name:	Golden Lake United Church Camp - Staff House
Drinking-Water System Owner:	Golden Lake United Church Camp
Drinking-Water System Category:	Small Non-Municipal Non-Residential System
Period being reported:	01/01/2022-12/31/2022

Complete if your Category is Large Municipal Residential or Small Municipal Residential

Does your Drinking-Water System serve more than 10,000 people? Yes ☐ No ☒

Is your annual report available to the public at no charge on a web site on the Internet? Yes ☒ No ☐

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

On file in 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 ☒ 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 ☒

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
GLUCC Staff House	260034905

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 ☐

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

Please see page 7 for Drinking-Water System Information

List all water treatment chemicals used over this reporting period

N/A

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

Replace filters , UV Lamps & Pressure Gauge \$2251.15

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		Please see reports on pages 8-16			
Distribution					

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

	Number of Grab Samples	Range of Results (min #)-(max #)
Turbidity	N/A	
Chlorine	N/A	
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

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				

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				
Aldicarb				

Aldrin + Dieldrin				
Atrazine + N-dealkylated metabolites				
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				
1,1-Dichloroethylene (vinylidene chloride)				
Dichloromethane				
2-4 Dichlorophenol				
2,4-Dichlorophenoxy acetic acid (2,4-D)				
Diclofop-methyl				
Dimethoate				
Dinoseb				
Diquat				
Diuron				
Glyphosate				
Heptachlor + Heptachlor Epoxide				
Lindane (Total)				
Malathion				
Methoxychlor				
Metolachlor				
Metribuzin				
Monochlorobenzene				
Paraquat				
Parathion				
Pentachlorophenol				
Phorate				
Picloram				
Polychlorinated Biphenyls(PCB)				

Prometryne				
Simazine				
THM (NOTE: show latest annual average)				
Temephos				
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				

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, one in its Staff House at 54 McNee Drive, Golden Lake, ON, and the other in its Dining (Assembly) Hall at 63 McNee Drive, Golden Lake, ON. They were installed in June 2004 and certified as compliant with the requirements of Regulation 170/03 by Jp2g Consultants Inc, of Pembroke, in July of the same year.

Each system is classified as "small, non-municipal nonresidential," 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

direct 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 65 mJ/cm² at 13 USgpm and UVT of 75% at end of lamp life. The UV system has a 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.

Client: GOLDEN LAKE UNITED CHURCH CAMP STAFF HOUSE
RR #1
Golden Lake, ON
K0J 1X0
Attention: Ms. Alice Madigan
PO#:
Invoice to: Golden Lake Camp

Report Number: 1980535
Date Submitted: 2022-06-29
Date Reported: 2022-07-04
Project: Drinking Water System Sampling
COC #: 108150
Waterworks/Facility: 260034905

Page 1 of 2

Dear Alice Madigan:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

APPROVAL: _____

Emma-Dawn Ferguson, Chemist

All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise indicated.

Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) 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/>.

Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) is licensed by the Ontario Ministry of the Environment, Conservation, and Parks (MECP) for specific tests in drinking water (license #2318). A copy of the license is available upon request.

Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) is accredited by the Ontario Ministry of Agriculture, Food, and Rural Affairs for specific tests in agricultural soils.

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline values listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official provincial or federal guideline as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

Client: GOLDEN LAKE UNITED CHURCH CAMP STAFF HOUSE
 RR #1
 Golden Lake, ON
 K0J 1X0
 Attention: Ms. Alice Madigan
 PO#:
 Invoice to: Golden Lake Camp

Report Number: 1980535
 Date Submitted: 2022-06-29
 Date Reported: 2022-07-04
 Project: Drinking Water System Sampling
 COC #: 108150
 Waterworks/Facility: 260034905

					Lab I.D.	Sample Matrix	Sample Type	Sampling Date	Sample I.D.
Group	Analyte	MRL	Units	Guideline	1634801	Supply Water	RAW WATER	2022-06-28	Staff House - Raw Water
Microbiology	Escherichia Coli	0	ct/100mL	MAC 0	0	0			
	Total Coliforms	0	ct/100mL	MAC 0	0	0			

Guideline = MOE REG. 170/03

* = Guideline Exceedence

Results relate only to the parameters tested on the samples submitted.

Analytical Method: AMBCOLM1

additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: GOLDEN LAKE UNITED CHURCH CAMP STAFF HOUSE
RR #1
Golden Lake, ON
K0J 1X0
Attention: Ms. Alice Madigan
PO#:
Invoice to: Golden Lake Camp

Report Number: 1980540
Date Submitted: 2022-06-29
Date Reported: 2022-07-07
Project: Drinking Water System Sampling
COC #: 108150
Waterworks/Facility: 260034905

Page 1 of 3

Dear Alice Madigan:

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Report Comments:

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 RR #1
 Golden Lake, ON
 K0J 1X0
 Attention: Ms. Alice Madigan
 PO#:
 Invoice to: Golden Lake Camp

Report Number: 1980540
 Date Submitted: 2022-06-29
 Date Reported: 2022-07-07
 Project: Drinking Water System Sampling
 COC #: 108150
 Waterworks/Facility: 260034905

					Lab I.D. Sample Matrix Sample Type Sampling Date Sample I.D.	1634813 Supply Water TREATEDWATER 2022-06-28 Staff House - NO2/NO3	1634814 Supply Water DISTRIBUTION 2022-06-29 Staff House - Pb
Group	Analyte	MRL	Units	Guideline			
Anions	N-NO2	0.10	mg/L	MAC 1.0	<0.10		
	N-NO3	0.10	mg/L	MAC 10.0	0.51		
	NO2 + NO3 as N	0.10	mg/L		0.53		
Metals	Pb	0.001	mg/L	MAC 0.010			<0.001

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*** = Guideline Exceedence**

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 Methods references and/or additional QA/QC information available on request.

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Report Number: 1980540
 Date Submitted: 2022-06-29
 Date Reported: 2022-07-07
 Project: Drinking Water System Sampling
 COC #: 108150
 Waterworks/Facility: 260034905

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 424921 Analysis/Extraction Date 2022-07-05 Analyst AaN Method SM 4110			
N-NO2	<0.10 mg/L	104	90-110
N-NO3	<0.10 mg/L	103	90-110
NO2 + NO3 as N	<0.10 mg/L		
Run No 425029 Analysis/Extraction Date 2022-07-06 Analyst SD Method EPA 200.8			
Lead	<0.001 mg/L	114	80-120

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Client: GOLDEN LAKE UNITED CHURCH CAMP STAFF HOUSE
RR #1
Golden Lake, ON
K0J 1X0
Attention: Ms. Alice Madigan
PO#:
Invoice to: Golden Lake Camp

Report Number: 1982730
Date Submitted: 2022-07-29
Date Reported: 2022-08-02
Project: Drinking Water System Sampling
COC #: 108152
Waterworks/Facility: 260034905

Page 1 of 2

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Report Comments:

APPROVAL: _____

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 K0J 1X0
 Attention: Ms. Alice Madigan
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Report Number: 1982730
 Date Submitted: 2022-07-29
 Date Reported: 2022-08-02
 Project: Drinking Water System Sampling
 COC #: 108152
 Waterworks/Facility: 260034905

					Lab I.D.	Sample Matrix	Sample Type	Sampling Date	Sample I.D.
Group	Analyte	MRL	Units	Guideline	1640986	Supply Water	RAW WATER	2022-07-28	Raw Water 1-3
Microbiology	Escherichia Coli	0	ct/100mL	MAC 0	0	0			
	Total Coliforms	0	ct/100mL	MAC 0	0	0			

Guideline = MOE REG. 170/03

* = Guideline Exceedence

Results relate only to the parameters tested on the samples submitted.

Analytical Method: AMBCOLM1

additional QA/QC information available on request.

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Client: GOLDEN LAKE UNITED CHURCH CAMP STAFF HOUSE
RR #1
Golden Lake, ON
K0J 1X0
Attention: Ms. Alice Madigan
PO#:
Invoice to: Golden Lake Camp

Report Number: 1984450
Date Submitted: 2022-08-23
Date Reported: 2022-08-24
Project: Drinking Water System Sampling
COC #: 108153
Waterworks/Facility: 260034905

Page 1 of 2

Dear Alice Madigan:

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Report Comments:

APPROVAL:

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 RR #1
 Golden Lake, ON
 K0J 1X0
 Attention: Ms. Alice Madigan
 PO#:
 Invoice to: Golden Lake Camp

Report Number: 1984450
 Date Submitted: 2022-08-23
 Date Reported: 2022-08-24
 Project: Drinking Water System Sampling
 COC #: 108153
 Waterworks/Facility: 260034905

					1645986 Supply Water RAW WATER 2022-08-22 Raw Water 1-3	1645987 Supply Water DISTRIBUTION 2022-08-22 E-coli 1-4
Group	Analyte	MRL	Units	Guideline		
Microbiology	Escherichia Coli	0	ct/100mL	MAC 0	0	0
	Total Coliforms	0	ct/100mL	MAC 0	0	0

Guideline = MOE REG. 170/03

* = Guideline Exceedence

Results relate only to the parameters tested on the samples submitted.

Analytical Method: AMBCOLM1

additional QA/QC information available on request.

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