



OPTIONAL ANNUAL REPORT TEMPLATE

Drinking-Water System Number:	260034918
Drinking-Water System Name:	RKY Camp Well Supply
Drinking-Water System Owner:	RKY Camp
Drinking-Water System Category:	Small Non-Municipal Non-Residential
Period being reported:	01/01/2016 – 12/31/2016

<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 [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;"> <p>http://rkycamp.org/about/camp-facilities-and-features.html</p> </div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served:</p> <div style="border: 1px solid black; width: 100px; text-align: center; margin: 5px;">0</div> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [] No [x]</p> <p>Number of Interested Authorities you report to:</p> <div style="border: 1px solid black; width: 100px; text-align: center; margin: 5px;">0</div> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [] No [x]</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
RKY Camp Well Supply	260034918

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 [x]



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

The RKY Camp Drinking water system is located at 1194 Sugar Bush Lane in Parham, Ontario. It began operation in 02/12/2004 and provides water to a year round outdoor centre and overnight summer camp. In peak season the drinking water system serves about 240 individuals, one private residence and has a design rate capacity of 0.80 litres/sec.

The RKY Camp drinking water system draws from a single ground source well originally drilled 11/15/1978 by Jack Knox Well Drilling. Well water is initially pumped into a pair of pressure tanks prior to which chlorine (liquid hypochlorite) is injected to provide secondary disinfection of the distribution system. Water from the pressure tanks is then treated to control the hardness and iron levels. It then discharges through a pair of cartridge filter units, both equipped with 5-micron cartridge filters. Water then passes through a Sterilight® Platinum (Model SPV-15) ultraviolet disinfection system for primary disinfection of the water distributed to various locations around RKY Camp. These locations are:

- The RKY Camp Homestead (Year Round)
 - o Kitchen
 - o Bathrooms
 - o Showers
- Abenaki (Director's Private Residence) (Year Round)
- Compoosters – Hand Washing (Spring, Summer, Fall)
- Camper Showers (Spring, Summer, Fall)
- Camper Hand washing Station/Trough - (Spring, Summer, Fall)
- Two Drinking Fountains
 - o Archery Area - (Spring, Summer, Fall)
 - o Nature Shed - (Spring, Summer, Fall)
- Wellness Centre/Cottage - (Spring, Summer, Fall)

Wastewater is then diverted to the RKY Camp septic systems which are located:

- Homestead/Poti Law Bed
- Archery Field Bed
- Wellness Centre Bed



List all water treatment chemicals used over this reporting period

- Javex 12

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

Bulbs and sleeve replacement – approx \$900

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

AWQI #	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: RKY Camp Well #1					
	12	0	0	12	0 – 24
Distribution: Trough					
	6	0	0	5	0 - 3
Distribution: Kitchen					
	12	0	0	12	0 – 27
Distribution: Wellness Centre					
	6	0	0	5	0 - 2
Distribution: Compoosters					
	6	0	0	5	0 - 32
Treated: Post UV					
	4	N02/N03 - <0.10			



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	62	0.00 – 0.08	NTU
Chlorine Residual Distribution System (Kitchen)	110	0.08 – 0.88	mg/L
Chlorine Treated Water System (Trough - Seasonal)	44	0.26 – 0.96	mg/L
Chlorine Treated Water (Compoosters – Seasonal)	23	0.29 – 0.89	mg/L

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

TREATED WATER – RKY KITCHEN

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	2013/07/18	0.0005	mg/L	No
Arsenic	2013/07/18	0.001	mg/L	No
Barium	2013/07/18	0.01	mg/L	No
Boron	2013/07/18	0.01	mg/L	No
Cadmium	2013/07/18	0.0001	mg/L	No
Chromium	2013/07/18	0.001	mg/L	No
*Lead	2014/05/21	<0.001	mg/L	No
Mercury	2013/07/18	0.001	mg/L	No
Selenium	2013/07/18	0.001	mg/L	No
Sodium	2013/07/25	146	mg/L	Yes
Sodium	2013/08/02	30	mg/L	Yes
Uranium	2013/07/18	0.001	mg/L	No
Fluoride	2013/07/18	0.10	mg/L	No
Nitrite	2014/11/10	<0.10	mg/L	No
Nitrate	2014/11/10	<0.10	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	1	<0.001	mg/L	None
Distribution	1	<0.001	mg/L	None

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	2013/07/18	1.0	ug/L	No
Aldicarb	2013/07/18	9	ug/L	No
Aldrin + Dieldrin	2013/07/18	0.012	ug/L	No
Atrazine + N-dealkylated metabolites	2013/07/18	0.2	ug/L	No
Azinphos-methyl	2013/07/18	2	ug/L	No
Bendiocarb	2013/07/18	2	ug/L	No
Benzene	2013/07/18	0.5	ug/L	No
Benzo(a)pyrene	2013/07/18	0.01	ug/L	No
Bromoxynil	2013/07/18	0.5	ug/L	No
Carbaryl	2013/07/18	5	ug/L	No
Carbofuran	2013/07/18	5	ug/L	No
Carbon Tetrachloride	2013/07/18	0.2	ug/L	No
Chlordane (Total)	2013/07/18	0.018	ug/L	No
Chlorpyrifos	2013/07/18	1	ug/L	No
Cyanazine	2013/07/18	1	ug/L	No
Diazinon	2013/07/18	1	ug/L	No
Dicamba	2013/07/18	1	ug/L	No
1,2-Dichlorobenzene	2013/07/18	0.4	ug/L	No
1,4-Dichlorobenzene	2013/07/18	0.4	ug/L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	2013/07/18	0.024	ug/L	No
1,2-Dichloroethane	2013/07/18	0.5	ug/L	No
1,1-Dichloroethylene (vinylidene chloride)	2013/07/18	0.5	ug/L	No
Dichloromethane	2013/07/18	4.0	ug/L	No
2-4 Dichlorophenol	2013/07/18	0.5	ug/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2013/07/18	1	ug/L	No
Diclofop-methyl	2013/07/18	1.0	ug/L	No
Dimethoate	2013/07/18	2.5	ug/L	No



Dinoseb	2013/07/18	1	ug/L	No
Diquat	2013/07/18	5	ug/L	No
Diuron	2013/07/18	10	ug/L	No
Glyphosate	2013/07/18	10	ug/L	No
Heptachlor + Heptachlor Epoxide	2013/07/18	0.012	ug/L	No
Lindane (Total)	2013/07/18	0.006	ug/L	No
Malathion	2013/07/18	5	ug/L	No
Methoxychlor	2013/07/18	0.006	ug/L	No
Metolachlor	2013/07/18	1.0	ug/L	No
Metribuzin	2013/07/18	5	ug/L	No
Monochlorobenzene	2013/07/18	0.2	ug/L	No
Paraquat	2013/07/18	5	ug/L	No
Parathion	2013/07/18	1	ug/L	No
Pentachlorophenol	2013/07/18	0.5	ug/L	No
Phorate	2013/07/18	1.0	ug/L	No
Picloram	2013/07/18	5	ug/L	No
Polychlorinated Biphenyls(PCB)	2013/07/18	0.1	ug/L	No
Prometryne	2013/07/18	1.0	ug/L	No
Simazine	2013/07/18	1	ug/L	No
THM (NOTE: show latest annual average)	-	-	-	-
Temephos	2013/07/18	10	ug/L	No
Terbufos	2013/07/18	1.0	ug/L	No
Tetrachloroethylene	2013/07/18	0.3	ug/L	No
2,3,4,6-Tetrachlorophenol	2013/07/18	0.5	ug/L	No
Triallate	2013/07/18	1	ug/L	No
Trichloroethylene	2013/07/18	0.3	ug/L	No
2,4,6-Trichlorophenol	2013/07/18	0.5	ug/L	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	2013/07/18	1	ug/L	No
Trifluralin	2013/07/18	1.0	ug/L	No
Vinyl Chloride	2013/07/18	0.2	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