



Drinking-Water System Number:	260022035
Drinking-Water System Name:	Paul Bunyan Trailer Camp Limited Well Supply
Drinking-Water System Owner:	Paul Bunyan Trailer Camp Limited
Drinking-Water System Category:	Non Municipal Year Round Residential
Period being reported:	Year 2017

<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 [] 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: 100px; 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; width: 100px; height: 20px; margin: 5px 0;"></div> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [] No []</p> <p>Number of Interested Authorities you report to:</p> <div style="border: 1px solid black; width: 100px; height: 20px; 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 []</p>
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Indicate how you notified system users that your annual report is available, and is free of charge.

[x] Public access/notice via other method - Available at site



Describe your Drinking-Water System

Paul Bunyan water treatment system consists of 383 service connections, with approximately 40 year round, 5 overnight and the remaining are seasonal campsites. The campground is operated 12 months of the year. The camp is divided into three sections; two of the sections are fully serviced with water, hydro and sewer, the third area is a recreational area and only serviced with drinking water.

The fully serviced sections of the campground are supplied water from three drilled wells, identified as Well 1, Well 2 and Well 3. Each well discharges raw water into its respective pumphouse, where the water is treated. The treated water is discharged into a single distribution system.

In each of the pumphouses, the raw water supply is injected with 12% sodium hypochlorite down stream of the flow restrictor valve. To meet the retention time requirements stipulated in the MOE's "*Procedures for Disinfection for Drinking Water in Ontario*", two (2) 450 L chlorine contact tanks are installed in a series.

List all water treatment chemicals used over this reporting period

12% NSF Sodium Hypochlorite

Were any significant expenses incurred to?

- Install required equipment
- Repair required equipment
- Replace required equipment

Please provide a brief description

Hach Chlorine Vials (set of 6) part # 2427606



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
23-Feb-17	Planned Water Interruption			Precautionary Boil Water Advisory issued. Micro sample taken, disinfection restored, and system flushed. Feb 27, 2017: Rescind PBWA issued.	27-Feb-17
20-June-17	Well 1 Chlorine	0.00	ppm	Micro sample taken x 2, disinfection restored, system flushed	20-June-17

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 Well 1	12	0-0	0-0	12	0-0
Raw Well 2	7	0-0	0-0	7	0-0
Raw Well 3	5	0-0	0-0	5	0-10
Distribution	29	0-0	0-0	29	0-17

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 Well 1	25	0.49 – 0.97 NTU
Turbidity Well 2	14	0.30 – 2.08 NTU
Turbidity Well 3	10	0.36 – 1.33 NTU
Chlorine Well 1	365	0.60 - 2.06 ppm
Chlorine Well 2	135	0.84 - 2.08 ppm
Chlorine Well 3	135	0.94 – 1.99 ppm

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

***Please note Well 2 and 3 Turbidity >1NTU due to start up process.**

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

Summary of Inorganic parameters tested during this reporting period or the most recent sample results

Parameter	Sample Date	Well 1 Result	Unit of Measure
Antimony	11-May-17	<0.50	ug/L
Arsenic	11-May-17	3.3	ug/L
Barium	11-May-17	24	ug/L
Boron	11-May-17	48	ug/L
Cadmium	11-May-17	<0.10	ug/L
Chromium	11-May-17	<0.50	ug/L
Lead	09-Feb-16	<0.50	ug/L
Mercury	11-May-17	<0.0001	ug/L
Selenium	11-May-17	<2.0	ug/L
*Sodium	11-May-17	27	mg/L
Uranium	11-May-17	1	ug/L
Fluoride	11-May-17	1.4	mg/L
Nitrite	08-Nov-17	<0.010	mg/L
Nitrate	08-Nov-17	<0.10	mg/L

Sodium adverse reported on February 26th 2016

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 #)	Number of Exceedances
Plumbing	Not required		
Distribution	Not required		

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

Parameter	Sample Date	Well 1 Result	Unit of Measure
Alachlor	11-May-17	<0.50	ug/L
Atrazine + N-dealkylated metabolites	11-May-17	<1.0	ug/L
Azinphos-methyl	11-May-17	<2.0	ug/L
Benzene	11-May-17	<0.10	ug/L
Benzo(a)pyrene	11-May-17	<0.0090	ug/L

Bromoxynil	11-May-17	<0.50	ug/L
Carbaryl	11-May-17	<5.0	ug/L
Carbofuran	11-May-17	<5.0	ug/L
Carbon Tetrachloride	11-May-17	<0.10	ug/L
Chlorpyrifos	11-May-17	<1.0	ug/L
Dicamba	11-May-17	<1.0	ug/L
1,2-Dichlorobenzene	11-May-17	<0.20	ug/L
1,4-Dichlorobenzene	11-May-17	<0.20	ug/L
1,2-Dichloroethane	11-May-17	<0.20	ug/L
1,1-Dichloroethylene (vinylidene chloride)	11-May-17	<0.10	ug/L
Dichloromethane	11-May-17	<0.50	ug/L
2-4 Dichlorophenol	11-May-17	<0.25	ug/L
2,4-Dichlorophenoxy acetic acid (2,4-D)	11-May-17	<1.0	ug/L
Diclofop-methyl	11-May-17	<0.90	ug/L
Dimethoate	11-May-17	<2.5	ug/L
Diquat	11-May-17	<7.0	ug/L
Diuron	11-May-17	<10	ug/L
Glyphosate	11-May-17	<10	ug/L
Malathion	11-May-17	<5.0	ug/L
Metolachlor	11-May-17	<5.0	ug/L
Metribuzin	11-May-17	<5.0	ug/L
Paraquat	11-May-17	<1.0	ug/L
Pentachlorophenol	11-May-17	<5.0	ug/L
Phorate	11-May-17	<5.0	ug/L
Picloram	11-May-17	<5.0	ug/L
Polychlorinated Biphenyls(PCB)	11-May-17	<0.050	ug/L
Prometryne	11-May-17	<0.25	ug/L
Simazine	11-May-17	<1.0	ug/L
THM (NOTE: show latest annual average)	Not required		ug/L
Temephos	11-May-17		ug/L
Terbufos	11-May-17	<0.50	ug/L
Tetrachloroethylene	11-May-17	<0.10	ug/L
2,3,4,6-Tetrachlorophenol	11-May-17	<0.50	ug/L
Triallate	11-May-17	<1.0	ug/L
Trichloroethylene	11-May-17	<0.10	ug/L
2,4,6-Trichlorophenol	11-May-17	<0.50	ug/L
Trifluralin	11-May-17	<1.0	ug/L
Vinyl Chloride	11-May-17	<0.20	ug/L

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

Parameter	Sample Date	Well 2 Result	Unit of Measure
Antimony	21-May-13	<0.50	ug/L
Arsenic	21-May-13	3.9	ug/L
Barium	21-May-13	49	ug/L
Boron	21-May-13	32	ug/L
Cadmium	21-May-13	<0.10	ug/L
Chromium	21-May-13	<5	ug/L
*Lead	21-May-13	<0.50	ug/L
Mercury	21-May-13	<0.00010	ug/L
Selenium	21-May-13	<2	ug/L
Sodium	21-May-13	137	mg/L
Uranium	21-May-13	1.1	ug/L
Fluoride	21-May-13	1.59	mg/L
Nitrite	15-Aug-17	<0.010	mg/L
Nitrate	15-Aug-17	<0.010	mg/L

Parameter	Sample Date	Well 2 Result	Unit of Measure
Alachlor	21-May-13	<0.50	ug/L
Aldicarb	21-May-13	<5	ug/L
Aldrin + Dieldrin	21-May-13	<0.01	ug/L
Atrazine + N-dealkylated metabolites	21-May-13	<1	ug/L
Azinphos-methyl	21-May-13	<2	ug/L
Bendiocarb	21-May-13	<2	ug/L
Benzene	21-May-13	<0.10	ug/L
Benzo(a)pyrene	21-May-13	<0.009	ug/L
Bromoxynil	21-May-13	<0.5	ug/L
Carbaryl	21-May-13	<5	ug/L
Carbofuran	21-May-13	<5	ug/L
Carbon Tetrachloride	21-May-13	<0.10	ug/L
Chlordane (Total)	21-May-13	<0.01	ug/L
Chlorpyrifos	21-May-13	<1	ug/L
Cyanazine	21-May-13	<1	ug/L
Diazinon	21-May-13	<1	ug/L
Dicamba	21-May-13	<1	ug/L



1,2-Dichlorobenzene	21-May-13	<0.20	ug/L
1,4-Dichlorobenzene	21-May-13	<0.20	ug/L
Dichlorodiphenyltrichloroethane (DDT) + metabolites	21-May-13	<0.02	ug/L
1,2-Dichloroethane	21-May-13	<0.20	ug/L
1,1-Dichloroethylene (vinylidene chloride)	21-May-13	<0.10	ug/L
Dichloromethane	21-May-13	<0.50	ug/L
2-4 Dichlorophenol	21-May-13	<0.5	ug/L
2,4-Dichlorophenoxy acetic acid (2,4-D)	21-May-13	<1	ug/L
Diclofop-methyl	21-May-13	<0.9	ug/L
Dimethoate	21-May-13	<3	ug/L
Dinoseb	21-May-13	<1	ug/L
Diquat	21-May-13	<7	ug/L
Diuron	21-May-13	<10	ug/L
Glyphosate	21-May-13	<10	ug/L
Heptachlor + Heptachlor Epoxide	21-May-13	<0.01	ug/L
Lindane (Total)	21-May-13	<0.006	ug/L
Malathion	21-May-13	<5	ug/L
Methoxychlor	21-May-13	<0.02	ug/L
Metolachlor	21-May-13	<0.5	ug/L
Metribuzin	21-May-13	<5	ug/L
Monochlorobenzene	21-May-13	<0.10	ug/L
Paraquat	21-May-13	<1	ug/L
Parathion	21-May-13	<1	ug/L
Pentachlorophenol	21-May-13	<0.5	ug/L
Phorate	21-May-13	<0.5	ug/L
Picloram	21-May-13	<5	ug/L
Polychlorinated Biphenyls(PCB)	21-May-13	<0.05	ug/L
Prometryne	21-May-13	<0.3	ug/L
Simazine	21-May-13	<1	ug/L
THM (NOTE: show latest annual average)	NR		ug/L
Temephos	21-May-13	<10	ug/L
Terbufos	21-May-13	<0.5	ug/L
Tetrachloroethylene	21-May-13	<0.10	ug/L
2,3,4,6-Tetrachlorophenol	21-May-13	<0.5	ug/L
Triallate	21-May-13	<1	ug/L
Trichloroethylene	21-May-13	<0.10	ug/L
2,4,6-Trichlorophenol	21-May-13	<0.50	ug/L
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	21-May-13	<1	ug/L
Trifluralin	21-May-13	<1	ug/L
Vinyl Chloride	21-May-13	<0.20	ug/L



Parameter	Sample Date	Well 3 Result	Unit of Measure
Antimony	16-June-15	<0.0005	ug/L
Arsenic	16-June-15	0.003	ug/L
Barium	16-June-15	0.034	ug/L
Boron	16-June-15	0.04	ug/L
Cadmium	16-June-15	<0.0001	ug/L
Chromium	16-June-15	0.001	ug/L
*Lead	20-Aug-12	<0.50	ug/L
Mercury	16-June-15	<0.0001	mg/L
Selenium	16-June-15	<0.001	ug/L
Sodium	16-June-15	17	mg/L
Uranium	16-June-15	0.008	ug/L
Fluoride	16-June-15	1.4	mg/L
Nitrite	15-Aug-17	<0.010	mg/L
Nitrate	15-Aug-17	<0.10	mg/L

Alachlor	16-June-15	<0.4	ug/L
Aldicarb	16-June-15	<0.6	ug/L
Aldrin + Dieldrin	16-June-15	<0.004	ug/L
Atrazine + N-dealkylated metabolites	16-June-15	<0.9	ug/L
Azinphos-methyl	16-June-15	<0.3	ug/L
Bendiocarb	16-June-15	<1	ug/L
Benzene	16-June-15	<0.2	ug/L
Benzo(a)pyrene	16-June-15	<0.005	ug/L
Bromoxynil	16-June-15	<0.09	ug/L
Carbaryl	16-June-15	<1	ug/L
Carbofuran	16-June-15	<1	ug/L
Carbon Tetrachloride	16-June-15	<0.2	ug/L
Chlordane (Total)	16-June-15	<0.004	ug/L
Chlorpyrifos	16-June-15	<0.3	ug/L
Cyanazine	16-June-15	<0.3	ug/L
Diazinon	16-June-15	<0.3	ug/L
Dicamba	16-June-15	<0.08	ug/L
1,2-Dichlorobenzene	16-June-15	<0.2	ug/L
1,4-Dichlorobenzene	16-June-15	<0.2	ug/L
Dichlorodiphenyltrichloroethane (DDT) + metabolites	16-June-15	<0.005	ug/L



1,2-Dichloroethane	16-June-15	<0.2	ug/L
1,1-Dichloroethylene (vinylidene chloride)	16-June-15	<0.2	ug/L
Dichloromethane	16-June-15	<1	ug/L
2-4 Dichlorophenol	16-June-15	<0.6	ug/L
2,4-Dichlorophenoxy acetic acid (2,4-D)	16-June-15	<0.08	ug/L
Diclofop-methyl	16-June-15	<0.08	ug/L
Dimethoate	16-June-15	<0.3	ug/L
Dinoseb	16-June-15	<0.07	ug/L
Diquat	16-June-15	<7	ug/L
Diuron	16-June-15	<6	ug/L
Glyphosate	16-June-15	<20	ug/L
Heptachlor + Heptachlor Epoxide	16-June-15	<0.004	ug/L
Lindane (Total)	16-June-15	<0.005	ug/L
Malathion	16-June-15	<0.2	ug/L
Methoxychlor	16-June-15	<0.001	ug/L
Metolachlor	16-June-15	<0.2	ug/L
Metribuzin	16-June-15	<0.2	ug/L
Paraquat	16-June-15	<1	ug/L
Parathion	16-June-15	<0.2	ug/L
Pentachlorophenol	16-June-15	<0.6	ug/L
Phorate	16-June-15	<0.3	ug/L
Picloram	16-June-15	<0.08	ug/L
Polychlorinated Biphenyls(PCB)	16-June-15	2.7	ug/L
Prometryne	16-June-15	<0.2	ug/L
Simazine	16-June-15	<0.3	ug/L
THM (NOTE: show latest annual average)	NR		ug/L
Temephos	16-June-15	<20	ug/L
Terbufos	16-June-15	<0.2	ug/L
Tetrachloroethylene	16-June-15	<0.2	ug/L
2,3,4,6-Tetrachlorophenol	16-June-15	<0.6	ug/L
Triallate	16-June-15	<0.2	ug/L
Trichloroethylene	16-June-15	<0.2	ug/L
2,4,6-Trichlorophenol	16-June-15	<0.5	ug/L
2,4,5-	16-June-15	<0.09	ug/L



Trichlorophenoxy acetic acid (2,4,5-T)			
Trifluralin	16-June-15	<0.005	ug/L
Vinyl Chloride	16-June-15	<0.2	ug/L

***NR denotes Not Required**