

Ruckle - ANNUAL REPORT

Reporting Period:	January 1, 2008 to December 31, 2008
Operating Permit Number:	VI0310089
Drinking Water System Owner:	BC Parks
Drinking Water System Contact:	
Name:	<u>Joe Benning</u>
Phone No:	<u>(250) 391-2315</u>
Email:	<u>Joe.Benning@gov.bc.ca</u>

1 Microbiological testing completed during this reporting period:

- a. bacteriological results listed in table below.
- b. adverse bacteriological results:
 - None detected
 - Highlighted in table below:

Microbiological Test Results:

Date	Total coliform	E. Coli	Reason	Corrective Action
April 8	L1	L1		
July 8	L1	L1		
July 8	L1	L1		
July 15	L1	L1		
July 24	4	L1		Disinfect water source & resample water system
July 24	L1	L1		
Aug 5	L1	L1		
Aug 7	L1	L1		
Aug. 14	L1	L1		
Aug. 21	L1	L1		
Sept 5	L1	L1		
Sept. 19	L1	L1		
Oct. 22	L1	L1		
Total Positive	1	0		

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2 Chemical analysis results (most recent):

a. chemical parameters listed in *The Guidelines for Canadian Drinking Water Quality* ("the Guidelines") are:

- all within GCDWQ
 above the GCDWQ and are listed below:

Parameters above the Guidelines:

Parameter	Result	Max. Acceptable Concentration	Aesthetic Objective	Treatment/Corrective Action

3 Summarize additional testing and sampling carried out in accordance with the requirement of a Water Source approval, Written Order or as per the conditions of your *Operating Permit*.

- no additional testing
 additional testing listed below:

Additional testing:

Description of parameter & reason for sampling	Health parameter or non-health related parameter	Corrective action necessary (Y/N?)	Corrective action taken

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4 Water Quality Complaints:

During the course of the year, the water system:

- did not receive water quality complaints (ie taste, odour, colour, etc)
 received water quality complaints and are listed below:

Water Quality Complaints:

Date	Water quality complaint	Corrective action taken

5 Adverse results: Total number of adverse results during this reporting period for insufficient water supply, malfunction of disinfection equipment or elevated turbidity:

- No adverse results
 Adverse results listed below:

Adverse Results:

Incident date	Corrective action	Corrected by
<u>April 13</u> <u>turbidity</u>	<u>Pump had been positioned at bottom of tank and had been covered in a thick layer of black gunk (manganese) which was being pumped directly into the treatment equipment, the flow inducer on the pump was removed and the pump intake was cleaned. The pump was then repositioned vertically with the intake now located approx. 12 " above the bottom of tank. The 5 Micron pre filter on the UV unit was then changed. This action should greatly improve the quality of the water being delivered to the park</u>	<u>April 30</u> <u>Recommended that the tank be cleaned at the end of each season.</u>
<u>Aug. 2</u>	<u>Replace fill float switch but auto system still remains non</u>	<u>Aug 7</u> <u>Electrician to</u>

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	<u>functional. Staff need to fill the tank on manual mode.</u>	<u>troubleshoot the module</u>

6 Description of the system:

Sources of raw water:

- Groundwater
- Surface water
- Other (specify): _____

Does the drinking water system have disinfection? Yes No

Disinfection methods (check boxes that apply):

- Chlorination
- Ultraviolet light
- Ozonation
- Other (specify): _____

Does the drinking water system have treatment? Yes No

Treatment type (check boxes that apply):

- Particulate cartridge filters
- Membrane filtration
- Carbon filter
- Sand filtration
- Reverse osmosis
- Other (specify): _____

7 System maintenance and repair during the period covered by the report:

Equipment repaired: _____ - repair of cool touch valve (March 7)
 - water softener repacked and control head cleaned, UV quartz sleeve and transmittance sensor cleaned (May 30)

Equipment replaced: _____ - UV (Trojan Pro-15 lamp and quartz sleeve, 5 Micron UV pre filter, resin bed cleaner, O ring (March 10)
 _____ - 5 Micron pre filter replaced (May 30)
 _____ - resup feeder installed in the brine tank of the WS (May 30)
 _____ - replace fill float switch & spare indicator bulbs (Aug. 2)

Annual maintenance of system: - system flushing, replacement of carbon filters, uv bulb, etc) start up system shock treatment using chlorine bleach

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Completion of specialist report (specify): none _____

8 Further communication with users:

a. Indicate how you notified system users that your annual report is available, and is free of charge:

- hand delivered
- public access/ notice via web
- public access/notice via government office
- public access/notice via newspaper
- public access/notice via bill stuffer
- public access/ notice via other method (specify):

b. Improvements or remedial actions required by the Drinking Water Officer:

- no action required
- Drinking Water Officer inspection report attached to report
- actions required by Drinking Water Officer listed below:

Improvements/Remedial Actions:

Required action	Completion date

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c. Future water system improvements:

- no improvements planned
- improvements listed below:

Future Improvements:

Future plans	Planned completion date

d. Emergency Response Plan can be accessed by:

- posting on web
- posting at nearest government office
- contacting water system owner
- Other (specify): Contractor-K2 Park Services

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N: Forms\Drinking Water Systems Annual Report template