

Montague Harbour - ANNUAL REPORT

Reporting Period:	January 1, 2010 to December 31, 2010
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
March 11	L1	L1		
March 30	L1	L1		
April 19	L1	L1		
April 20	2	L1		Flush water system, disinfect water source, re-sample water system
May 4	L1	L1		
May 18	L1	L1		
May 25	L1	L1		
May 31	L1	L1		
June 14	L1	L1		
June 15	L1	L1		
June 27	1	L1		Re-sample water system
July 14	L1	L1		
July 28	L1	L1		
August 12	L1	L1		
August 25	L1	L1		
Sept. 9	L1	L1		
Sept. 22	L1	L1		

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Total Positive:	2	0		

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
Oct. 29, 2010	Rust colour in water, unusable for scout group. Water system was not used that much at end of year...must have been sitting too long in pipes	System was shut down a few days later for the winter

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
April 6	Trouble detecting chlorine levels, currently using 5-1 mix in solution tank. Bypassing auto switch as beeper goes steady.	<u>Pouring bleach into tank from the top of well & waiting a few days for the chlorine to show up in testing in order to adjust it accordingly.</u>
Nov. 3, 2010	Elevated turbidity	<u>Analyze treated water for iron level. Excessive iron levels may be coating UV components and triggering the alarm. Monitor free chlorine residual in a more frequent basis (3Xweek)</u>

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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: _____

Equipment replaced: March 7 – new filters, April 28-new U.V. lamp pair, 15-30, 30-75, April 29-new ballast installed (H13/H30, 80/120W E Series).

Annual maintenance of system:

- system flushing
- start up system shock treatment using chlorine bleach
- additional chlorine added to reservoir as needed

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

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- 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):
Notice posted on park information shelters
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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
Monitor free chlorine residual in a more frequent basis (at least 3 X per week)	

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- c. Future water system improvements:
- no improvements planned
 - improvements listed below:

Future Improvements:

Future plans	Planned completion date
System is being further assessed by Stantec Inc.	June 2001
Replace water line from reservoir to treatment plant.	March 2011
Upgrade to distribution system.	March 2012

- 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

JL:kl
 N: Forms\Drinking Water Systems Annual Report template