

**ASSESSMENT STUDY OF  
WATER AND WASTEWATER SYSTEMS  
AND ASSOCIATED  
WATER MANAGEMENT PRACTICES  
AT FOUNTAIN FIRST NATION**

**A  
REPORT  
TO  
INDIAN AND NORTHERN AFFAIRS CANADA  
BC REGION**

** NovaTec Consultants Inc.  
Environmental Engineers and Scientists**

August 2002

File No.: 1407.10/10

**Appendix C**

**Water Testing Results**

## WATER SAMPLING GUIDELINES

Sample on Monday, Tuesday or Wednesday [to reach lab next day]


Take sample from the kitchen tap is possible - unless its got attachments or point of use filters - then use another tap [ one without attachments or filters]

Run the cold water for 2 minutes before sampling - I usually fill in the lab information while the water runs. The form goes inside the baggie - to keep it dry.

Take the cap off the bottle and fill from the running stream of water - avoid touching the lip of the bottle or the inside of the cap with your hands [normal skin bacteria may show up in the lab results]

Place the water samples and an ice pak in a cardboard box.

Send by courier to: **BC CDC - Water Lab**  
**655 West 12<sup>th</sup> Ave**  
**Vancouver, B.C.**  
**V5Z 4R4**

	Province of British Columbia Ministry of Health PROVINCIAL LABORATORY	<b>WATER BACTERIOLOGY</b> PHONE: (604) 660-6037	LABORATORY USE ONLY LAB NUMBER - DATE
	SENDER'S NAME <i>Your Name</i>	SENDER'S ADDRESS	TIME OF COLLECTION YR. MON. DAY HR. MIN.
SAMPLING SITE INFORMATION	SITE CODE <i>Band Name</i>	SITE DESCRIPTION <i>Name &amp; Address of House #</i>	CITY / AREA <i>Name of Water System</i>
SEE REVERSE SIDE FOR INSTRUCTION TO COLLECT SAMPLE	Health Canada Environmental Health Services Indian and Northern Health Central District #313 - 471 Queensway Ave. Kelowna, B.C. V1Y 6S5	CHECK ALL APPROPRIATE BOXES <input type="checkbox"/> TREATED <input checked="" type="checkbox"/> UNTREATED	
		DRINKING WATER SOURCE: <input type="checkbox"/> WELL <input type="checkbox"/> LAKE <input type="checkbox"/> RIVER <input type="checkbox"/> COM. W.S. <input checked="" type="checkbox"/> OTHER PUBLIC W.S. <i>check</i> <input type="checkbox"/> PRIVATE SUPPLY <input type="checkbox"/> ICE <input type="checkbox"/> RAW WATER SOURCE	NON-DRINKING WATER <input type="checkbox"/> BATHING BEACH <input type="checkbox"/> SWIMMING POOL <input type="checkbox"/> WHIRLPOOL <input type="checkbox"/> SEWAGE / POLLUTION <input type="checkbox"/> OTHER
		PRINT OR TYPE IN BOX FULL POSTAL ADDRESS OF HEALTH UNIT OR PERSONS AUTHORIZED TO RECEIVE REPORT	
CHECK TWO CONSECUTIVE VOLUMES FOR SEWAGE / POLLUTION SAMPLE: <input type="checkbox"/> 50 mL <input type="checkbox"/> 10 mL <input type="checkbox"/> 1 mL <input type="checkbox"/> 0.1 mL <input type="checkbox"/> 0.01 mL <input type="checkbox"/> 0.001 mL			

	LABORATORY USE ONLY	
REQUIRED <input checked="" type="checkbox"/>	COUNT	CFC PER ML
<input checked="" type="checkbox"/> TOTAL COLIFORM		
<input checked="" type="checkbox"/> FECAL COLIFORM		
<input type="checkbox"/> HETEROTROPHIC PLATE COUNT - 35°C. 2 DAY		
<input type="checkbox"/> HETEROTROPHIC PLATE COUNT - 20°C. 5 DAY		
<input type="checkbox"/> OTHER		

COPY TO:

HEALTH 1805 Rev 03/03 (REQUISITION FORM)  
**004697**

HEALTH CANADA  
ENVIRONMENTAL HEALTH SERVICES

DISINFECTION OF WELLS

The following methods are recommended for the disinfection of wells and springs that have been flooded or accidentally polluted.

1. Disinfection should be done only after the flood waters have receded.
2. In the meantime BOIL WATER BEFORE DRINKING.

How to Disinfect the Well Water

1. Treat water with any of the 5% household bleaching solutions obtainable from the local grocery store (Javex and Bonox are examples).
2. Pour into the well a quantity of the bleaching solution as indicated in the table below; start the pump and open all taps. If it is a dug well without a pump, the chlorine solution should be allowed to mix thoroughly in the well and then let stand for at least 24 hours.
3. When a chlorine odour is detected at the taps, close each tap. Try to keep the chlorinated water in the system for at least 24 hours. Flush system and take another water sample.

WHETHER IT IS A DUG WELL OR ONE EQUIPPED WITH A PUMP, THE CHLORINATED WATER SHOULD REMAIN IN THE SYSTEM FOR 24 HOURS.

TABLE OF QUANTITIES OF 5% HOUSEHOLD BLEACHING SOLUTION REQUIRED FOR DISINFECTION OF WELLS	
Diameter of Well, Spring or Pipe IN INCHES	Amount of Household Bleach Required for each 10 foot depth of water in the Well, Spring or Pipe.
2	1 teaspoon
4	4 teaspoons
6	10 teaspoons
8	7 tablespoons
10	10 tablespoons
12	15 tablespoons
24	3 5 cups
36	2 quarts
48	3 quarts
60	5 quarts
72	7 quarts
96	3 gallons

For a complete guide and information on well disinfection, a manual on well disinfection system may be obtained from your local Environmental Health Office:

*1 tablespoon = 15 ml*

J F M A M J J A S O N D

Flat	C/Well										
Flat	C/Well										
Flat	C/Well										
Flat	C/Well										
Flat	C/Well										
Flat	C/Well										
9 mile	Self	03 <sup>th</sup> 11/2 5 <sup>th</sup>	06 <sup>th</sup> S	22 <sup>nd</sup> S	23 <sup>rd</sup> S						
12 mile	C/Well							23 <sup>rd</sup> S			
12 mile	C/Well	03 <sup>th</sup> S	24 <sup>th</sup>	24 <sup>th</sup> S				23 <sup>rd</sup> S			
12 mile	C/Well		22 <sup>nd</sup>	24 <sup>th</sup> S							
M/Res	C/Well										
M/Res	C/Well										
M/Res	C/Well										
M/Res	C/Well										
M/Res	C/Well										
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M/Res	C/Well										
M/Res	C/Well	03 <sup>th</sup> S									

J F M A M J J A S O N D

Ftn Valley	Self				24 S			23 S			
Ftn Valley	Self										
Ftn Valley	Self				24h S		<del>23</del> S				
Ftn Valley	* 2 *										
Ftn Valley	* 2 *							23 S			
Chilhil	C/Well										
Chilhil	C/Well										
Chilhil	C/Well										
Chilhil	C/Well				24h S						
Chilhil	C/Well										
Chilhil	C/Well										
Chilhil	C/Well										
Chilhil	C/Well										
Chilhil	C/Well							23 S			
Chilhil	C/Well										
Chilhil	C/Well										
Chilhil	C/Well										
Chilhil	C/Well										
Chilhil	C/Well										
Chilhil	C/Well										
Sobotka	self										
Ftn Valley	self										

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**Is(are) under consultation**

**Page(s) 004705 to/à 004705**

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