

Are You Prepared for a Boil Water Advisory?

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Recent Event

- November 16, 2006 Boil Water Advisory issued for the Vancouver/Greater Vancouver area.
- Affect > 1,000,000 people including businesses.

News Paper Articles

Vancouver under boil water advisory - Nov. 16, 2006

A boil water advisory has been issued for the entire Greater Vancouver Area. Vancouver Coastal Health spokesman Viviana Zanocco said Thursday the warning was issued because Wednesday's storm dumped large amounts of dirt and mud in the region's three reservoirs.

Vancouver with Fraser Valley and Coast Mountains

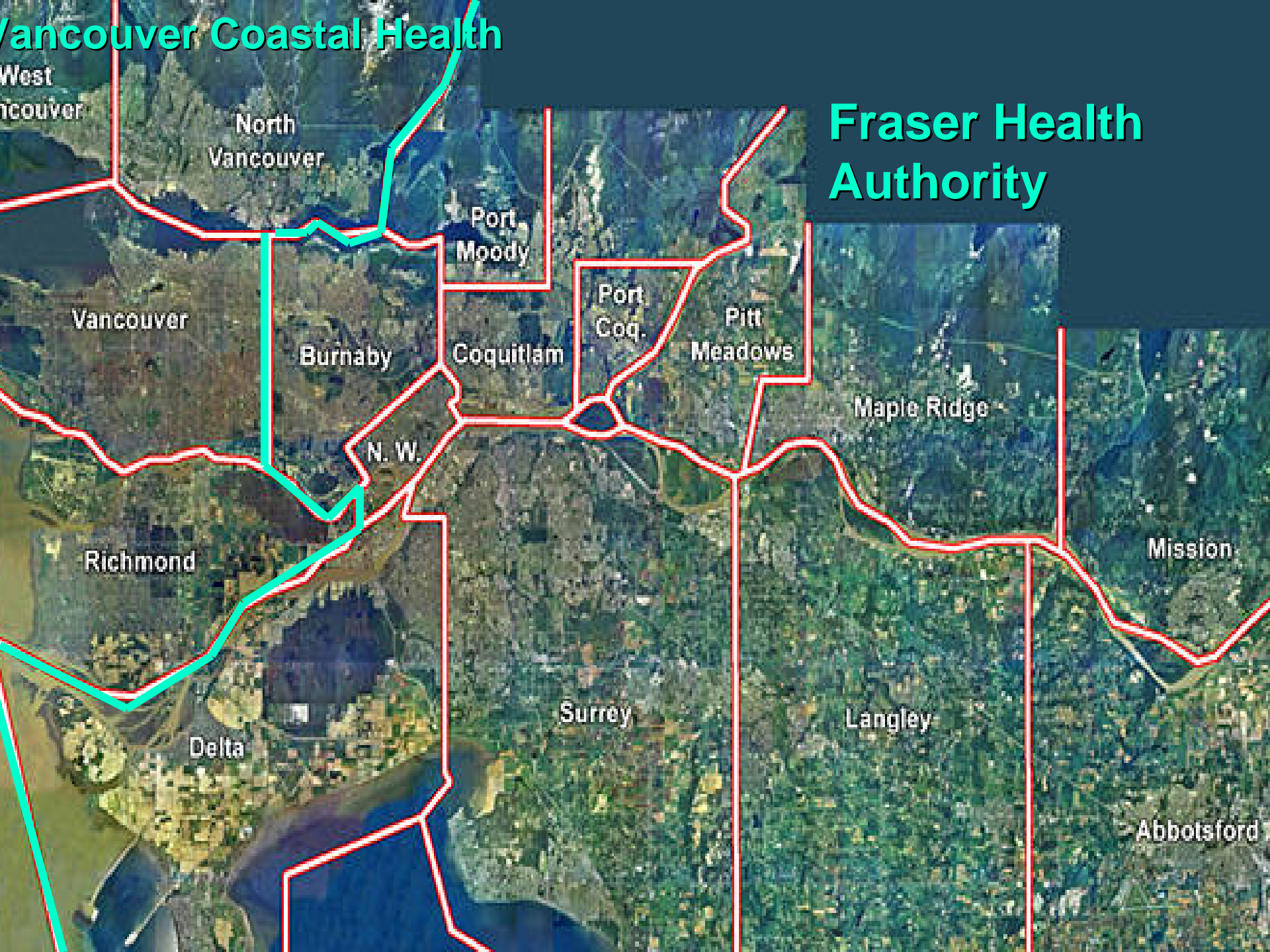
British Columbia, Canada



Vancouver with Fraser Valley and Coast Mountains (looking North)

Vancouver Coastal Health

Fraser Health Authority



West Vancouver

North Vancouver

Port Moody

Port Coq.

Pitt Meadows

Vancouver

Burnaby

Coquitlam

Maple Ridge

N. W.

Richmond

Mission

Delta

Surrey

Langley

Abbotsford

Issuing a Boil Water Notice

- Unacceptable microbiological quality in the finished water and no detectable or inadequate disinfection residual in the distribution system
- Epidemiological evidence that suggests the drinking water is responsible for a gastrointestinal outbreak
- Situations where the normal operation of a water supply system is interrupted (intentional or unintentional) with the potential to adversely affect water quality. (high turbidity, treatment interruption, loss of source, zero or negative pressure).

News Paper Article

Greater Vancouver boil-water advisory lifted

Last Updated: Monday, November 27, 2006 | 3:43 PM PT

[CBC News](#)





Impacts of Water in Food Services Establishments

- Coffee, tea, pop dispensers
- Rinsing or washing food products
- Food ingredient
- Ice machines
- Sanitation

Do you Have a Business Continuity Plan?

- Are you prepared for a boil water advisory?
- What is the likelihood of a boil water advisory occurring with your drinking water?
- Have you contacted the water supplier and reviewed their annual drinking water report?

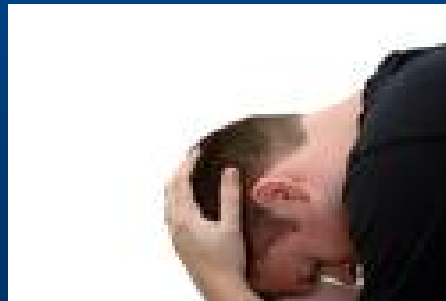
Which would you prefer?

➤ **Being proactive**

Or



➤ **Reactive**



Back-up Plan for Potable Water

Three options:

- **Commercially approved bottled water**
- **Boil water for a minimum of 1 minute**
- **On-site treatment system**

Correct Procedures for Beverages

- **Use boiled water to serve tea, coffee (ie percolated & drip) or any other hot beverages**
- **Discontinue mixed cold beverages containing water unless you are using bottled/boiled water or substitute with canned products.**

Correct Procedures for Washing Food Products & Using Water as an Ingredient

- Bottled or boiled water must be used when washing ready to eat food products that will not be cooked afterward or pre-washed items must be purchased.
- If using tap water to cook your food product, ensure that the water is brought to a rolling boil for a minimum of one minute.

Correct Procedures for Ice Machines

- Ice bagged or made prior to the issuance of the water advisory may be used. Ice produced in ice machines after the advisory must be discarded, the machines cleaned/sanitized and not restarted until the advisory is rescinded.

Preparation for Sanitation

- Are chemical disinfectants being used in accordance with manufacturers instructions?
- Are you able to measure the concentration level and compare with manufacturers requirements?
- Is your high temp. dishwasher able to achieve 82 degrees C. hot water sanitizing temp and held for a minimum of 10 seconds?

Commercially Approved Bottle water

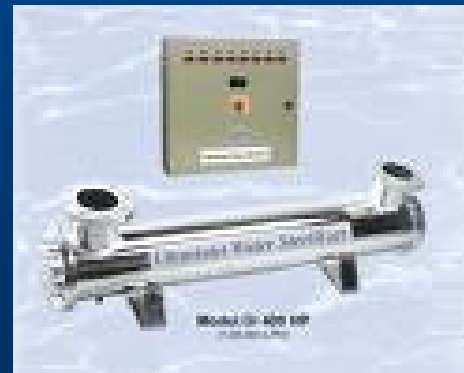
- Procurement of a local supplier?
- Time in which supplier will be able to deliver to your premises
- Guarantee (contract) local supplier will be able to deliver quantity agreed to

Onsite Treatment System

- **Consult with a water treatment specialist**
- **Keep in mind:**
 - ❑ **Source water quality characteristics and the likelihood of deterioration characteristics ie increased turbidity**
 - ❑ **Capital costs of treatment system and ongoing maintenance costs**
 - ❑ **Contract with water treatment specialist or trained employee to maintain treatment system**

Examples of Treatment Systems

- Cartridge filters (5 to 1 microns) > Ultraviolet System (NSF certified)
- Reverse Osmosis > UV System



Any Questions?

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