



# Island Health Presents

## Water System Information

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# BC Drinking Water Legislation

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- Drinking Water Protection Act (DWPA) 2001
  - Drinking Water Protection Regulation (DWPR) 2003
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# DWPA and DWPR

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- Creates the Drinking Water Officer (DWO) position
  - Defines what DWO's can do
  - Defines water supplier responsibilities
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# Water Suppliers Are Required To:

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- Provide potable water
  - Use applicable standards
    - Island Health Policies
    - BC Surface Water Treatment Objectives
    - Health Canada guidelines
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# Multi-Barriers

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## History of treatment process

- Starting 1920's one treatment process has been the standard
  - 1990's started to see movement towards two treatment processes
  - Island Health required two processes in 2008 (policy)
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# Why Two Treatment Processes

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- To ensure all pathogens are destroyed
  - Multi barriers provide an extra layer of protection
  - No one single treatment process can address all types of pathogens
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# DWO Approach

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- How do existing water systems with one treatment process add a second process
  - DWO Introduces concept to water supplier
  - Ask water supplier to develop a plan
  - Attach key benchmarks of the plan to the water system operating permit
  - Work with the water supplier along the way
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# Bamfield Water System

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- Water Quality Advisory issued in November 2013
  - Additional treatment required to remove the advisory
  - Operating Permit Terms & Conditions
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# The End

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Thanks you  
Questions and Discussion?