Unit 19 Safe Drinking Water

Safe Drinking Water Act
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- Enacted 1974
- Safe Drinking Water Act Amendments of 1996
- Programs delegated to the states
- NC Drinking Water Act
Public Water Systems

- 15 service connections, or
- 25 people regularly served
- Ownership of system unimportant
Basic Requirements

- Certified operator
- Water quality testing
- Surface Water Treatment Rule
- Wellhead Protection Program
Testing for Contaminants

- Coliform bacteria
- Disinfection byproducts
- Inorganic chemicals
- Nitrates/nitrites
- Synthetic and volatile organic chemicals
- Flouride
Testing for Contaminants

- Lead & copper
- Radionucleotides
- Asbestos
DENR, Division of Environmental Health, Public Water Supply Section

Public notice of violation & emergency procedures
Wellhead Protection

- States not compelled to adopt
- Tools
  - Zoning
  - Land use planning
  - Health rules
Surface water protection

- Water supply watershed protection program
- Filtration/disinfection
Consumer Information

- Consumer confidence reports
- Level or reporting based upon number served
Risk-based contaminant selection

- 5 every 5 years
- Discretion to not adopt standard
Drinking Water State Revolving Fund

- SRF grants for prevention programs & projects