



Residential Water Wells and Drinking Water

THREE-HOUR CONTINUING EDUCATION PROGRAM
FOR REAL ESTATE PROFESSIONALS

September 13, 2016 – Ilsley Library, 75 Main Street, Middlebury, VT

Presented by: The American Ground Water Trust
50 Pleasant Street, Concord, NH 03301
(603) 228 5444



PROGRAM SCHEDULE

9:00 to 9:45am **Fundamentals of Geology and Hydrogeology**

- Regional geology and overview of groundwater concepts
- How is ground water stored - Aquifer types
- Ground water as a supply source for drinking water

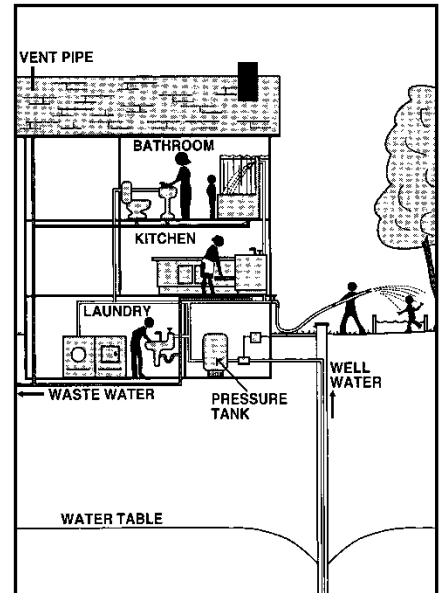
9:45 to 10:30am **Water Quality Issues and Groundwater**

- The origin and occurrence of natural contaminants:
 - o Arsenic
 - o Radon
 - o Fluoride
 - o Bacteria
- The basic water test - What should be tested?
- How to interpret basic water quality tests

10:30 to 10:45am Break

10:45 to 11:30am **Water Conditioning- Why, When and How**

- How to treat common water quality issues:
 - o Iron
 - o Sulfur
 - o Hardness
 - o Natural Contaminants
- Point-of-use - Point-of-entry treatment systems
- Maintenance of conditioning equipment



11:30 to 12:15pm **The Residential Water Supply- Source to Disposal**

- Well Drilling and Well Construction Practices
 - o Selecting well drilling sites
 - o Typical well drilling and construction methods
 - o Solutions to low yielding private wells
 - o From aquifer to tap - The residential well system
- On-site Wastewater Disposal
 - o Septic tank and leach field basics
 - o Water quality and on-site waste water disposal issues

12:15 to 12:30 **Sources of information about ground water and water wells**

12:30pm Adjourn