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