

## VERMONT DEPARTMENT OF HEALTH LABORATORY

Physical: 359 South Park Drive, Colchester, VT 05446

Mailing: PO Box 1125, Burlington, VT 05402-1125

1-800-660-9997 (VT only) or 1-802-338-4724

### RADON-222 IN WATER SAMPLING INSTRUCTIONS FOR KIT RC – SM 7500-Rn

Please read prior to collection of sample. If these instructions are not followed closely it may result in the analysis being delayed or the sample being rejected.

The kit should contain:

Two, pre-cleaned 40 mL glass vials with screw caps.

Water Sample Collection Information form (CHEM 202).

#### SAMPLING INSTRUCTIONS

**Regulated Water Systems:** the sample must be taken at the point of entry to the distribution.

**Homeowners:**

- a) To check the water from the well – collect sample before any water treatment (such as a water softener).
  - b) To check the treated drinking water – collect sample after water treatment process (example: from kitchen faucet).
- 1) Remove aerator/strainer unit from faucet.
  - 2) Run **cold** water for 5-10 minutes, reduce flow to about 1/8 inch stream to eliminate splashing and air bubbles.
  - 3) Carefully remove caps and slowly fill each of the vials. Do not disassemble caps. Do not allow inside of caps or vials to be touched by any object.
  - 4) Add water to each vial until it is above the rim as shown in the diagram on the back of this page. This will eliminate any air pockets. Gently tap bottle to dislodge any air bubbles. **If air bubbles are present the sample cannot be analyzed.**
  - 5) Carefully place cap over the vial and screw the cap on securely.
  - 6) Check for air bubbles by turning each vial over and tapping the cap; double-check by looking through the bottom. If there are air bubbles, re-open the vial, empty the water and refill again.
  - 7) Complete the Water Sample Collection Information form with *one date and time of collection*, name of person collecting sample, physical location and address where sample was collected and a daytime phone number. **If date and time of sampling are not included, the sample may not be analyzed.**
  - 8) Wrap all vials using paper towels to help prevent breakage and keep them together using tape or rubber bands and place into a plastic bag. Place vials in box (keep cool) with CHEM 202 form and mail or deliver **promptly**. Samples must be received within **48 hours** of collection to facilitate testing.

**KEEP SAMPLE COOL. MAIL OR DELIVER PROMPTLY! THE SAMPLE SHOULD BE RECEIVED DURING BUSINESS HOURS (MONDAY-FRIDAY 7:45 AM - 4:30 PM) AND WITHIN 48 HOURS OF SAMPLING.**

If you have questions or suggestions regarding these instructions, please call one of the telephone numbers listed above. Thank you.

