

Office of Radiological Health

RADON BULLETIN

ORH-755: Radon Test Reports and Documentation
Reissued Dec. 5, 2018

The Commonwealth of Virginia's radon statutes require compliance with USEPA guidance. Specifically, **Virginia Code § 32.1-229.01.B** states:

"Radon professionals listed as proficient pursuant to subsection A shall comply with the radon mitigation and testing standards outlined in the Environmental Protection Agency's publication, EPA 402-R-92-003, as revised, or the American Society for Testing and Materials (ASTM International) Standard, E-2121-02, or any other radon testing and mitigation standards accepted by the Environmental Protection Agency and the Board."

When a radon professional tests for the presence of radon, it is important to provide full disclosure to the client regarding any factors that may have influenced the test result. Measurement documentation and reporting are discussed in **Sections 4.3.5 and 4.7 of the USEPA document: 402-R-92-003 "Protocols for Radon and Radon Decay Measurements in Homes,"** The entire document may be found and downloaded here:
<https://archive.epa.gov/epa/protocols-radon-and-radon-decay-product-measurements-homes.html>

Information that should be included in the Test Report to the Client:

Tester information:

- Name of person who placed/retrieved the test device and their current NRSB/NRPP certification number. Please delete any old EPA RMP or NEHA certification numbers because these programs no longer exist.
- Complete contact information including: company name, address, phone, e-mail address (if applicable), website (if applicable).

Test information:

- Start date/time
- Stop date/time
- Total test time (in hours)
- Average radon level (in pCi/L calculated over a minimum of 48 hrs.)
- If two devices are used, include the test result for each device in addition to the average

Test device information:

- Type (ex. charcoal canister, electret ion chamber, liquid scintillation or continuous radon monitor)
- Manufacturer
- Serial number(s)
- Last calibration date (if applicable)
- NRSB/NRPP certified lab (or person) that performed the test analysis (if applicable).

Tamper Resistance/Closed House Conditions:

- List any techniques or observations used to assure that closed house conditions were maintained and that there was no unauthorized movement of the device during the testing period.
- Any observed violations of closed house conditions should be noted and explained.

Recommendations for Mitigation: (if applicable)

- Statement that USEPA recommends mitigation for radon test results equal to or greater than 4.0 pCi/L.

Where the customer can obtain further information:

- USEPA Radon Program website: www.epa.gov/radon, toll free radon hotline: 800-767-7236
- VDH-ORH Indoor Radon Program website: www.vdh.virginia.gov, dial direct at: 804-864-8150 or toll free (for Virginia residents): 800-468-0138

Additional documentation that professional radon testers should record and store in their personal files:

- A diagram and/or photo showing the exact location where the test device was deployed.
- A description and/or photo showing the condition of any permanent vents that may have influenced the test. This is especially important for crawl spaces.
- Voltage readings and calculations used for Electret Ion Chambers.
- Any quality control measures associated with the test such as duplicates, blanks or control charts.

Recording and documenting all the information included on this Bulletin will not only provide better assurance for your clients, but it could also prove valuable in helping to resolve any disputes that may arise. A radon professional should maintain all testing records for a minimum of five years.

Published By: Virginia Department of Health, Division of Radiological Health, 109 Governor Street, Room 730, Richmond, VA 23219
Questions and comments should be directed to the Radon Coordinator at (804) 864-8150.
ORH-755