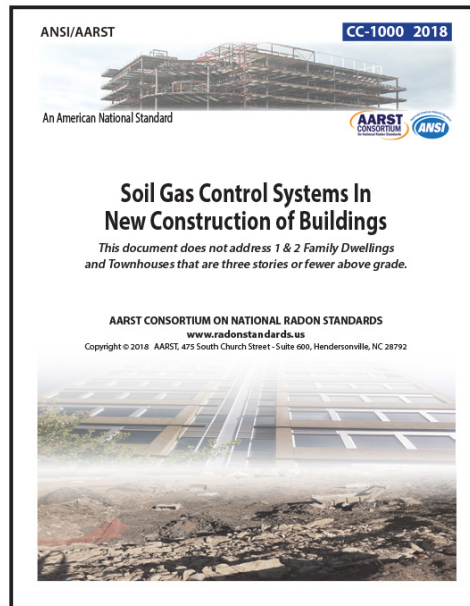


CC-1000 Updates 9/22
Soil Gas Control Systems in New Construction of Buildings



Read me

This proposed revision addresses testing for soil gas entry of chemical vapors or other hazardous soil gases as a performance metric after completing construction and OM&M reporting, in accordance with CC-1000, for multifamily, school, commercial and mixed-use buildings. This revision is part of continuous maintenance efforts to harmonize and update AARST CCAH, RRNC and CC-1000 standards.

Latest published versions of those standards are available for comparison at www.standards.aarst.org where all ANSI/AARST standards can be found for review at no charge and for purchase.

The current mitigation standards committee roster (consensus body) can be linked to from www.standards.aarst.org/public-review. The current work project includes (1) harmonization, where possible, for all portions of these documents to read the same for the same tasks; (2) update based on new experiences, and (3) renderings that are more conducive to stakeholders who are involved in compliance assessment.

A link to receive future public review notices and bylaw procedures for the AARST Consortium on National Radon Standards are available at www.standards.aarst.org/public-review.

Public Review: CC-1000 Updates 9-22
COMMENT DEADLINE: September 4th, 2022

REQUESTED PROCESS AND FORM FOR FORMAL PUBLIC REVIEW COMMENTS

Submittals (MS Word preferred) may be attached by email to StandardsAssist@gmail.com

- 1) Do not submit marked-up or highlighted copies of the entire document.
- 2) If a new provision is proposed, text of the proposed provision must be submitted in writing. If modification of a provision is proposed, the proposed text must be submitted utilizing the strikeout/underline format.
- 3) For substantiating statements: Be brief. Provide abstract of lengthy substantiation. (If appropriate, full text may be enclosed for project committee reference.)

AARST Consortium on National Radon Standards

Website: www.standards.aarst.org Email: StandardsAssist@gmail.com

527 N Justice Street, Hendersonville, NC 28739

The Consortium Consensus Process

The consensus process developed for the AARST Consortium on National Radon Standards and as accredited to meet essential requirements for American National Standards by the American National Standards Institute (ANSI) has been applied throughout the process of approving this document.

Continuous Maintenance

This standard is under continuous maintenance by the AARST Consortium on National Radon Standards for which the Executive Stakeholder Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the standard.

User Tools: User tools are posted online (www.standards.aarst.org/public-review) as they become available (such as templates for field notices, inspection forms, interpretations and approved addenda updates across time).

Notices

Notice of right to appeal: Bylaws for the AARST Consortium on National Radon Standards are available at www.standards.aarst.org/public-review. Section 2.1 of Operating Procedures for Appeals (Appendix B) states, "Persons or representatives who have materially affected interests and who have been or will be adversely affected by any substantive or procedural action or inaction by AARST Consortium on National Radon Standards committee(s), committee participant(s), or AARST have the right to appeal; (3.1) Appeals shall first be directed to the committee responsible for the action or inaction."

Disclaimer: The AARST Consortium on National Radon Standards strives to provide accurate, complete and useful information. The AARST Consortium on National Radon Standards will make every effort to correct errors brought to its attention. However, neither the AARST Consortium on National Radon Standards, its sponsoring organization the American Association of Radon Scientists and Technologists nor any person contributing to the preparation of this document makes any warranty, express or implied, with respect to the usefulness or effectiveness of any information, method or process disclosed in this material. Nor does AARST or the AARST Consortium on National Radon Standards assume any liability for the use of, or for damages arising from the use of, any information, method or process disclosed in this document. It is the sole responsibility of radon practitioners using this standard to stay current with changes to the standard and to comply with local, state and federal codes and laws relating to their practice.

Commentary/Rationale: The proposed addition is a result of efforts to more closely harmonize with other AARST standards and other standards related soil gas entry of chemical vapors or other hazardous soil gases and reporting of both radon and soil gas evaluations in OM&M records.

SECTION 10: COMPLETION OF SYSTEMS

10.3 Performance testing

10.3.2 Soil gases of concern

Where the purpose of the system design includes protection against indoor exposure to chemical vapors or other hazardous soil gas, the building shall be evaluated, postconstruction, for soil gas concentrations below slabs or soil gas retarders, or in indoor air. Where test results below slabs or soil gas retarders are greater than the action level established by the jurisdiction having authority, indoor air testing shall be conducted to evaluate if further action is needed. All testing shall be conducted using methods approved by the jurisdiction having authority. Where testing results do not meet mitigation goals, further action and follow-up testing shall be required until mitigation goals are met.

10.3.3 Performance test reports

Reports to be provided in the OM&M manual described in Section 12.2 shall include:

- a) Results of evaluations that indicate effectiveness, and as applicable
- b) Indoor air concentration measurement reports with results less than the national action level.