



**State of Kentucky
Kentucky Radon Program**

**2011 Radon Training and
Continuing Education Syllabus**

Administered by:



State of Kentucky
2011 Radon Training and Continuing Education
Radon Control in New Construction

Overview

This 8-hour course focuses on radon control techniques in residential new construction. Using radon control standards and recommendations from the Environmental Protection Agency (EPA), American Society for Testing and Materials (ASTM), and International Residential Code (IRC), this course covers the following topics:

- An overview of the health risks associated with radon
- A review of IRC Appendix F new construction standards
- A review of ASTM E1465 new construction standards
- A comparison of ASTM E1465 and IRC Appendix F new construction standards
- Incorporating radon control techniques within the initial design of the building
- Preparing the building site for installation of a passive vent system
- Sealing the foundation to eliminate preferential pathways
- Installing the passive mitigation system
- Conducting final testing to determine if active mitigation is necessary
- Activating the passive vent system using an approved fan
- Promoting the radon message

NOTE: This course includes a field visit to review and inspect the components of a passive radon system.

Continuing Education Credits

This 8-hour course will be approved for continuing education by the following organizations:

- National Environmental Health Association (NEHA) Category I CE (submitted for approval)
- National Radon Safety Board (NRSB) Category I CE (submitted for approval)
- Kentucky Registered Sanitarian CE (submitted for approval)

Logistics

- Fee: \$150 KARP members, \$175 pre-registration, \$200 no pre-registration
- Date: March 7, 2011
- Time: 8:00AM to 5:00PM (lunch on your own from 12PM to 1PM)
Sign-in begins at 7:30AM
- Location: Lexington—Fayette County Public Health Department
Division of Environmental Health and Protection
805 Newtown Circle, Suite B
Lexington, Kentucky 40511
- Contact: Kim Carney
Kentucky Association of Radon Professionals
kim@KentuckyRadon.org
877-508-8850
- Notice: ASTM E1465 standards are copyright protected. A copy of these standards can be obtained for free at epa.gov/radon. You are responsible for bringing personal safety gear for the field exercise.

Provided by:



**Kentucky Association
of Radon Professionals**

State of Kentucky
2011 Radon Training and Continuing Education
Radon Mitigation System Inspection

Overview

This 8-hour course focuses on conducting an inspection of an active sub-slab or sub-membrane depressurization radon mitigation system. Using radon control standards from the US Environmental Protection Agency, American Society for Testing and Materials (ASTM), and other resources, this course covers the following topics:

- An overview of the health risks associated with radon
- An overview of the two national accreditation organizations
- A review of ASTM E2121– Mitigation Standards
- A review of US EPA Radon Mitigation Standards
- A comparison of US EPA RMS and ASTM E2121 standards
- Conducting a radon mitigation system inspection
- Potential liability issues involved with conducting mitigation system inspections
- Promoting compliant mitigation system installation practices
- Promoting the radon message

NOTE: This course includes a field exercise to inspect an active radon mitigation system.

Continuing Education Credits

This 8-hour course will be approved for continuing education by the following organizations:

- National Environmental Health Association (NEHA) Category I CE (submitted for approval)
- National Radon Safety Board (NRSB) Category I CE (submitted for approval)
- Kentucky Registered Sanitarian CE (submitted for approval)

Logistics

- Fee: \$150 KARP members, \$175 pre-registration, \$200 no pre-registration
- Date: March 8, 2011
- Time: 8:00AM to 5:00PM (lunch on your own from 12PM to 1PM)
Sign-in begins at 7:30AM
- Location: Lexington—Fayette County Public Health Department
Division of Environmental Health and Protection
805 Newtown Circle, Suite B
Lexington, Kentucky 40511
- Contact: Kim Carney
Kentucky Association of Radon Professionals
kim@KentuckyRadon.org
877-508-8850
- Notice: ASTM E2121 standards are copyright protected. A copy of these standards can be obtained for free at epa.gov/radon. You are responsible for bringing personal safety gear for the field exercise.

Provided by:



**Kentucky Association
of Radon Professionals**

State of Kentucky
2011 Radon Training and Continuing Education
Radon Public Speaking

Overview

This 8-hour course focuses on providing a professional presentation about radon to a general audience, or a specific audience—such as real estate agents, home inspectors, or home builders. Using a digital radon presentation developed by the Kentucky Association of Radon Professionals, as well as other resources, this course covers the following topics:

- An overview of the health risks associated with radon
- General presentation techniques
- Tailoring a presentation for a specific audience
- Presentation techniques for small audiences
- Presentation techniques for large audiences
- Techniques for handling questions from an audience
- Promoting the radon message

NOTE: This course includes a presentation that you can modify for your own future presentations.

Continuing Education Credits

This 8-hour course will be approved for continuing education by the following organizations:

- National Environmental Health Association (NEHA) Category I CE (submitted for approval)
- National Radon Safety Board (NRSB) Category I CE (submitted for approval)
- Kentucky Registered Sanitarian CE (submitted for approval)

Logistics

- Fee: \$150 KARP members, \$175 pre-registration, \$200 no pre-registration
- Date: March 10, 2011
- Time: 8:00AM to 5:00PM (lunch provided by Kentucky Radon Program from 12PM to 1PM)
Sign-in begins at 7:30AM
- Location: Lexington—Fayette County Public Health Department
Division of Environmental Health and Protection
805 Newtown Circle, Suite B
Lexington, Kentucky 40511
- Contact: Kim Carney
Kentucky Association of Radon Professionals
kim@KentuckyRadon.org
877-508-8850

Provided by:



**Kentucky Association
of Radon Professionals**

State of Kentucky
2011 Radon Training and Continuing Education
Radon Measurement—Certification Course

Overview

This 16-hour certification course focuses on preparing for the National Environmental Health Association or National Radon Safety Board measurement certification exam. Using information from the US Environmental Protection Agency and other resources, this course covers the following topics:

- Health risks associated with radon
- Sources of radon and radiation physics
- Measurement device types
- Quality assurance and quality control methods
- Protocols for conducting radon measurement
- Radon in water
- Interpreting and reporting measurement results
- Promoting the radon message

NOTE: Day three of the course is optional, and includes a review session and the certification exam.

Certification Credit

Upon completion of this course, participants are eligible to take the measurement certification exam for the following organizations:

- National Environmental Health Association (NEHA)
- National Radon Safety Board (NRSB)

Logistics

- Fee: \$325 KARP members, \$350 pre-registration, \$375 no pre-registration
- Date: April 12-14, 2011—optional review and exam on April 22, 2011
- Time: 8:00AM to 5:00PM (lunch on your own from 12PM to 1PM)
Sign-in begins at 7:30AM
- Location: Lexington—Fayette County Public Health Department
Division of Environmental Health and Protection
650 Newtown Pike
Lexington, Kentucky 40508
- Contact: Kim Carney
Kentucky Association of Radon Professionals
kim@KentuckyRadon.org
877-508-8850
- Notice: This course is a certification course. The course fee does not cover the certification exam. The certification exam fee is \$150, payable when the exam is taken.

Provided by:



**Kentucky Association
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State of Kentucky
2011 Radon Training and Continuing Education
Radon Advanced Diagnostics and System Design

Overview

This 16-hour course focuses on conducting advanced diagnostics to properly develop a final system design for a sub-slab depressurization system. Using information from the US Environmental Protection Agency and other resources, this course covers the following topics:

- An overview of the health risks associated with radon
- Diagnostic techniques used to develop an effective system design
- Conducting pressure field extension testing
- Preparing a pressure field extension map
- Understanding fan curves and fan selection
- Selecting the correct components for the final system design
- Preparing the final mitigation system design
- Promoting compliant mitigation system installation practices
- Promoting the radon message

NOTE: This course includes a field exercise to conduct system diagnostics and prepare a final system design.

Continuing Education Credits

This 16-hour course will be approved for continuing education by the following organizations:

- National Environmental Health Association (NEHA) Category I CE (submitted for approval)
- National Radon Safety Board (NRSB) Category I CE (submitted for approval)
- Kentucky Registered Sanitarian CE (submitted for approval)

Logistics

- Fee: \$325 KARP members, \$350 pre-registration, \$375 no pre-registration
- Date: May 17-18, 2011
- Time: 8:00AM to 5:00PM (lunch on your own from 12PM to 1PM)
Sign-in begins at 7:30AM
- Location: Barren River District Health Department
1109 State Street
Bowling Green, Kentucky 42102
- Contact: Kim Carney
Kentucky Association of Radon Professionals
kim@KentuckyRadon.org
877-508-8850
- Notice: You are responsible for bringing personal safety gear for the field exercise.

Provided by:



**Kentucky Association
of Radon Professionals**

State of Kentucky
2011 Radon Training and Continuing Education
Radon Multi-Family Measurement and QC

Overview

This 8-hour course focuses on conducting radon measurement and ensuring proper quality control in multi-family buildings. Using ANSI MAMF-2010 (*Protocols for Conducting Radon and Radon Decay Measurements in Multi-Family Buildings*) measurement standards, information from the US Environmental Protection Agency, and other resources, this course covers the following topics:

- Health risks associated with radon
- Sources of radon and radiation physics
- Measurement device types
- Quality assurance and quality control methods
- Conducting multi-family radon measurement using ANSI MAMF-2010
- Interpreting and reporting measurement results
- Promoting the radon message

Continuing Education Credits

This 8-hour course will be approved for continuing education by the following organizations:

- National Environmental Health Association (NEHA) Category I CE (submitted for approval)
- National Radon Safety Board (NRSB) Category I CE (submitted for approval)
- Kentucky Registered Sanitarian CE (submitted for approval)

Logistics

- Fee: \$150 KARP members, \$175 pre-registration, \$200 no pre-registration
- Date: June 23, 2011
- Time: 8:00AM to 5:00PM (lunch on your own from 12PM to 1PM)
Sign-in begins at 7:30AM
- Location: Lexington—Fayette County Public Health Department
Division of Environmental Health and Protection
805 Newtown Circle, Suite B
Lexington, Kentucky 40511
- Contact: Kim Carney
Kentucky Association of Radon Professionals
kim@KentuckyRadon.org
877-508-8850
- Notice: You are required to purchase a copy of ANSI MAMF-2010, *Protocols for Conducting Radon and Radon Decay Measurements in Multi-Family Buildings*. A copy of the standards can be purchased at aarst.org for \$25 (member) or \$40 (non-member).

Provided by:



**Kentucky Association
of Radon Professionals**

State of Kentucky 2011 Radon Training and Continuing Education Registration Form

To register for a workshop, complete the registration form and return with payment. Detailed information about each workshop can be found within the syllabus. Upon registration, you will receive a confirmation notice, your receipt and logistical details.

Radon Control in New Construction Workshop—March 7, 2011: Lexington, Kentucky (8AM-5PM)

- KARP Member, pre-registration (\$150)
 - Non-KARP Member, pre-registration (\$175)
 - No pre-registration (\$200)
- * Pre-registration date = February 16, 2011

Mitigation System Inspection Workshop—March 8, 2011: Lexington, Kentucky (8AM-5PM)

- KARP Member, pre-registration (\$150)
 - Non-KARP Member, pre-registration (\$175)
 - No pre-registration (\$200)
- * Pre-registration date = February 17, 2011

Public Speaking Workshop—March 10, 2011: Lexington, Kentucky (8AM-5PM)

- KARP Member, pre-registration (\$150)
 - Non-KARP Member, pre-registration (\$175)
 - No pre-registration (\$200)
- * Pre-registration date = February 18, 2011

Measurement Certification Workshop—April 12-14, 2011: Lexington, Kentucky (8AM-5PM)

- KARP Member, pre-registration (\$325)
 - Non-KARP Member, pre-registration (\$350)
 - No pre-registration (\$375)
- * Pre-registration date = March 25, 2011

Advanced Diagnostics and System Design Workshop—May 17-18, 2011: Bowling Green, Kentucky (8AM-5PM)

- KARP Member, pre-registration (\$325)
 - Non-KARP Member, pre-registration (\$350)
 - No pre-registration (\$375)
- * Pre-registration date = April 28, 2011

Multi-Family Measurement and QC Workshop—June 23, 2011: Lexington, Kentucky (8AM-5PM)

- KARP Member, pre-registration (\$150)
 - Non-KARP Member, pre-registration (\$175)
 - No pre-registration (\$200)
- * Pre-registration date = May 23, 2011

Registrant name:	Registrant address:
Registrant phone:	Registrant city, state, zip code:
Registrant email:	Payment type (check one): <input type="checkbox"/> Check <input type="checkbox"/> Visa <input type="checkbox"/> Master Card
Registrant signature:	NOTE: If paying by credit card, you will be contacted by phone for CC info.
For additional assistance: Kim Carney Kentucky Association of Radon Professionals kim@KentuckyRadon.org Phone: 877-508-8850 Fax: 502-410-4990	Send payment to: Kentucky Association of Radon Professionals PO Box 197767 Louisville, KY 40259