

Radon Training and Examinations

See how a radon certification can provide a benefit to your business!!

Continuing Education Credit Workshops for Certified Radon Specialists

Nashville, Tennessee – October/November 2009

Sponsored by the Tennessee Radon Program

RADON is a naturally occurring radioactive gas that can accumulate in enclosed homes, apartments, offices and large buildings such as schools. The United States Environmental Protection Agency (USEPA) website provides this information “Lung cancer kills thousands of Americans every year. The untimely deaths of Peter Jennings and Dana Reeve have raised public awareness about lung cancer, especially among people who have never smoked. Smoking, radon, and secondhand smoke are the leading causes of lung cancer. Although lung cancer can be treated, the survival rate is one of the lowest for those with cancer. In many cases lung cancer can be prevented; this is especially true for radon.”

In fact, the Surgeon General has warned that radon is the second leading cause of lung cancer deaths in the U.S. today, second only to smoking. The Tennessee Department of Environment and Conservation (TDEC) recommend that all consumers test their homes for radon and purchase radon services from a certified measurement specialist. When consumer finds a radon problem in his home, it is recommended to purchase mitigation services from a certified radon mitigation professional.



**DEPARTMENT OF
ENVIRONMENT &
CONSERVATION**

The **Tennessee Department of Environment and Conservation (TDEC)** is a statewide indoor radon abatement program as a part of the Division of Air Pollution Control. When the issue of radon first gained national attention in the early eighties, Tennessee immediately responded by establishing this statewide program. Originally, the function of the program

was to educate, assist, and conduct outreach on the health hazard of radon and the various issues associated with that hazard. That was over fifteen years ago and the program's function has changed and expanded considerably.

Today the program sponsors and conducts consistent and professional radon training in the areas of measurement, mitigation, schools testing and mitigation. It conducts scientific research on radon in Tennessee and how it relates to geology. TDEC co-sponsors radon training classes to offer opportunities for Tennessee residents to become certified with the radon measurement and mitigation proficiency program. **Ms. Kathy Glapa** is the Tennessee radon program manager. Tennessee Radon Hotline is 800-232-1139 or visit TDEC website at www.tennessee.gov/environment/apc/radon/.

Radon Measurement Training

October 28-29, 2009

Radon Measurement Exam

October 30, 2009

This training prepares *home inspectors, pest control inspectors, environmental consultants, county health department officials and real estate professionals* to conduct competent radon measurements in residential settings and to provide results for clients. It also prepares students for the radon measurement exam for certification. Topics covered include:

Basics of radon

Health effects of radon

Quality assurance/quality control

Basic radon mitigation techniques

Physics of radon

Radon measurements

Radon measurement devices and protocols

Radon in water

Radon Measurement Training and Exam Agenda

October 28, 2009

7:45 a.m.	Registration
8:00 a.m.	Welcome and Introductions
	Objectives for the Training
	Physics of Radon
	Radon Occurrence and Health Effects
	Radon Entry and Behavior
Noon	Lunch provided by SRRTC
1:00 p.m.	Radon Measurement: Purpose, Duration, Protocols
4:30-5:00 p.m.	Review and Homework Assignments and Adjourn

October 29, 2009

8:00 a.m.	Quality Assurance and Quality Control
	Radon and RDP Measurement: Device Characteristics and Use
Noon	Lunch provided by SRRTC
1:00 p.m.	Radon in Water
	Radon Mitigation Overview
4:30-5:00 p.m.	Student Evaluations and Adjourn

October 30, 2009

10:00 a.m.-Noon **Review will be provided from 8:00-9:45 a.m.**
Measurement Exam (allowed 2 hours for exam)

Instructors will provide study groups at night if necessary or requested

Advanced Diagnostics & System Design Workshop Friday, October 30, 2009

Provides eight hours of continuing education credits with radon proficiency program

This workshop is a comprehensive approach with classroom presentations and hands-on exercises for design and installation of Active Soil Depressurization (ASD) systems. This is a specialized workshop designed for certified radon professionals. This workshop will cover these topics:

- Radon entry review
- ASD operating theory and elements of system design
- Treating ASD systems as air-handling systems
- Classroom exercises on diagnostic procedures to determine system performance requirements and selection of system components
- Possible assembling of a pitot tube

Quality Assurance and Quality Control Workshop Saturday, October 31, 2009

Provides eight hours of continuing education credits with radon proficiency program

This is a workshop rather than a lecture class to familiarize participants with the purpose and intent of your quality assurance plan and to increase confidence in your radon measurements. By applying the principles of quality assurance, radon specialists will realize the benefit of improved radon measurements and be more aware of the conditions causing error in your measurements. *This training offers continuing education credits with the NRPP and is recommended for measurement specialist.*

Radon Mitigation and Hands-on Training

November 2-5, 2009

Radon Mitigation Exam

November 6, 2009

The mitigation classroom training and hands-on field exercises will provide participants with knowledge to conduct competent radon mitigation services in a residential setting. The field exercises provide a hands-on approach to perform diagnostics, system design and installation of a mitigation system in a home.

This training meets all the requirements to prepare participants for the radon mitigation proficiency exam. Typically, *builders, remodelers, HVAC contractors, environmental consultants, contractors* are recommended to take the training, pass the exam and apply for certification as a radon mitigation specialist. Topics are shown on tentative agenda.

Radon Mitigation Training & Exam Agenda

November 2, 2009

7:45-8:00 a.m. Registration

Introductions and Announcements
Physics of Radon and Radon Decay Products
Health Effects
Factors Affecting Radon Entry and Concentrations
Lunch provided
Conducting Measurements
Device Characteristics and Use
QA/QC
Radon in Water
Review and Homework Assignments and Adjourn

12:00 Noon

1:00 p.m.

4:30-5:00 p.m.

November 3, 2009

8:00 a.m.

Radon Resistant New Construction
Worker Health and Safety
Mitigation Systems Diagnostics, Design and Installation
Lunch provided
Mitigation System (continued)
Review, Homework Assignments and Adjourn

Noon

1:00 p.m.

4:30-5:00 p.m.

November 4, 2009

8:00 a.m.

Finish Classroom Presentations
Radon Mitigation Standards
Lunch provided
Travel to the House for Field Exercises

Noon

November 5, 2009

8:00 a.m.

Field Exercises; System Design and Installation
Lunch provided
Field Exercises continued
Wrap-up and Review

Noon

1:00 p.m.

5:00-5:30 p.m. Adjourn

November 6, 2009

8:00 a.m.

Finish any units and review for the exam.

12:30 p.m.

Mitigation Exam - Registration – 3 ½ hours to complete exam

Study groups will be provided at night by Instructors if requested or necessary

RADON CERTIFICATION PROGRAMS

Participants who wish to become certified must first **take the training** and then **pass** the proficiency exam and **then apply** for certification with one of the proficiency programs. Each registrant must choose which certification program exam they wish to take. Please note which exam you prefer to take on the registration form.



The National Environmental Health Association – National Radon Proficiency Program (NEHA/NRPP) provides certification to become a radon measurement or mitigation specialist. Contact Angel Price at 800-269-4174 or visit the NEHA/NRPP website: www.radongas.org.



The National Radon Safety Board (NRSB) certification program offers independent certification, accreditation, and approval for five categories of radon service providers. Contact Michele Wunderlich at 866-329-3474 or visit the website www.nrsb.org

Hotel and Meeting Room Details Will Be Provided with Registration Confirmation Packet And Sent to All Participants

The Tennessee Radon Program co-sponsors radon trainings, which provides scholarships for Tennessee residents. If classroom space allows and is approved by the state, out-of-state or non-Tennessee residents will be allowed to attend the classes. Due to commitments to our instructors and facilities, the registration fee is not refundable if a registrant withdraws less than five business days before the program. No shows will be liable for the entire course fee.

Auburn University or TDEC reserves the right to cancel any program or exam due to insufficient enrollments. If a program is canceled for any reason by the SRRTC, all fees will be refunded.

Please complete the following registration form and return to SRRTC. Payments should be sent to SRRTC at Auburn University. Auburn accepts VISA or MASTERCARD credit cards, checks or a government purchase order. If you have any questions about registrations, contact SRRTC 800-446-0382 or 334-844-4370 or register at SRRTC website www.engce.auburn.edu.

DISCOUNTS WILL BE GIVEN FOR MEMBERS OF HOME INSPECTOR ASSOCIATIONS

A discount of \$25 will be given for each training and exam



Instructors **Jack Hughes** and **Harry Grafton** from the Southern Regional Radon Training Center (SRRTC) at Auburn University will conduct the radon trainings and workshops in Tennessee. Contact SRRTC at 800-446-0382 or register on the web at: www.engce.auburn.edu or E-mail: carricj@auburn.edu.

Tennessee Radon Training Announcement

Discounts will be provided for members of home inspector organizations

CHECK THE SCHEDULE

