Radon Mitigation Field Day Training For Online Course

The goal of this day's training is to focus in a field setting on key concepts that are best covered in real world settings. These concepts are covered in the course sections and videos but field demonstration is an essential way to reinforce learning. The intent is not to enable you to do the simplest manual construction tasks that are part of radon mitigation, like cutting and gluing pipe, cutting holes in buildings, caulking joints and leakage points, or pricing of services. Those skills are best learned through practice and safe installation options like mitigating your own or a relative's home, and review of other basic materials. The key purpose of the field day is to cover system design and diagnostics issues with real world conditions and observe installed systems for concept reinforcement. Availability of field sites and systems and their conditions offer different learning opportunities and flexibility is a key aspect of this process, to take advantage of what is present on the site.

Building investigation, diagnostics and system design

- Impact of home design and construction in mitigation system design
    - Impact of HVAC system operation on building pressure
    - Impact of different weather conditions on building pressure
    - Consideration of pipe routing and fan location possibilities
- Determination of required strength and extent of pressure field
- Diagnostic testing to determine system mechanical performance requirements
- Radon fan and pipe size selection

Worker occupational health considerations during mitigation

- Minimization of exposure to Radon, fumes from materials and dust
- General construction safety considerations
- Electrical safety, and use of qualified electrical contractors where required

Occupant health and safety considerations

- Appropriate ventilation strategies to minimize occupant exposure to contaminants
- Backdraft testing of combustion appliances when applicable

Come prepared to observe and participate in a work environment in work clothing suitable for the weather. Be flexible and ask lots of questions, but be ready to pay attention when field conditions make it necessary or the instructor directs.