



National Radon Proficiency UPDATES 2023

2023 – 2024 Focus



- Certification Objectives & Review
- 2023 Item Development
- 2024 Program Development
- Customer Focus

Current NRPP Credentials



- Radon Measurement Professional*
 - Radon Measurement Field Technician*
 - Radon Mitigation Specialist*
 - Radon Mitigation Installer*
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- Soil Gas Mitigation Compliance Inspector

*ANAB accredited

Certification Objectives:



Identify individuals who have the knowledge & skills necessary to protect the public's health & wellbeing

The ruler by which we measure people is the exam

In 2023 we focused on the exam. We:

1. Developed a set of guidelines for item writing and review
2. Adopted a set of commonly-used terms for consistent wording on the tests
3. Began using an item development and banking platform
4. Further clarified the target of certification: characteristics, education, background
5. Started program-by-program exam reviews:
 - Are the exams fair?
 - Do questions map to the required content areas?
 - Do they assess *essential, job-related* knowledge?
 - Are they technically, correct?
 - Are they straightforward or convoluted and “tricky?”

Item Writing & Review 2023



August 2023: RMP & RMFT item development

- 424 new questions developed and approved in response to the breach
- 15 subject matter experts met in-person over a 3-day period

September 2023: RMS & RMI exam review

- Two exam forms of 150 items (300 total) in response to concerns about test content & content changes in new standards

October 28, 2023: RMS & RMI item development

- One day, in-person meeting at the Symposium

On the horizon....

2024 Job Task Analysis

- RMP/RMFT
- RMI/RMS

JTAs in progress: to be completed in 2024

- Commercial Mitigation Manager
- Commercial Measurement Manager
- Vapor Intrusion



Soil Gas Mitigation Compliance Inspector



- NRPP credential for inspecting an ASD system to verify if the installation complies with ANSI-AARST Soil-Gas Mitigation Standard (SGM-SF).
- SGM-CIs use AARST's mitigation inspection app to perform a visual assessment and generate a compliance report.

Role of the SGM-CI



- Assist state radon programs with compliance enforcement
- Assist homeowners and homebuyers by verifying if systems installed meet the minimum standards

Requirements



To obtain this **two-year** certification, the NRPP requires:

- Pre-requisite: an NRPP Radon Measurement or Mitigation certification or approved relevant radon industry experience
- Completion of an 8-hour SGM Compliance Inspector Initial Exam-Prep Course from an approved training provider
- Passing score on the NRPP SGM Compliance Inspector Exam
- 4 hours of C.E. biennially
- Adherence to the NRPP Code of Ethics

Soil Gas Mitigation Compliance Inspection App

Standardize Inspections with mobile app

- Available for Android & iPhone
- 9 sections of data collection
 - Project info
 - General Info
 - Monitor & Label
 - Duct Piping
 - Exhaust Termination
 - ASD Fan
 - Sump Requirements
 - Electrical
 - Sealing
- Compiles verification of conformance with standards and photos into a single report

The image displays a collage of screenshots from the Soil Gas Mitigation Compliance Inspection App. The screenshots show various sections of the inspection form, including:

- General Information:** Fields for Homeowner's Email (john@email.com), Homeowner's Phone ((555) 555-5555), Property Address (1234 anywhere), Address line 2 (Anywhere), and State (Indiana). A "Sign & Submit" button is visible at the bottom.
- System Monitor and Label:** Questions about the System Operation Manometer (Manometer) installation, including "Is a System Operation Manometer installed?" and "The System Operation Manometer is readily accessible from the exterior?".
- Duct Piping:** Questions about the ASD Suction Pipe diameter, sealing around the exterior, and pipe joints & fittings.
- Exhaust Termination:** Questions about the termination height (at least 10' above grade), horizontal pipe placement (at least 2' above or 10' away from openings), and distance from mechanical air intakes and decks.
- ASD Fan:** Questions about attic access availability and fan sealing.
- Sump Requirements:** Questions about the sump lid material (rigid, durable, mechanical & sealed), sump lid location (primary or secondary suction point), and cover access.
- Electrical:** Questions about disconnect placement (within 6' of fan), wiring protection (not plugged in), and radon wiring.
- Sealing Floor & Wall Crack:** Questions about accessible openings to soil around suction pipes and other large openings in the slab.

Each section includes radio button options for "Correct", "NONCOMPLIANT", or "N/A". Some sections include photo upload prompts (e.g., "Upload photo of ASD Fan", "Upload Photo of Sump Lid", "Upload Photo of Exhaust Termination") and a note: "* Marked Fields can't be blank." or "* Marked Fields can't be".

Customer Focus



Implementing mechanisms for candidate feedback & more “touch points”

- Collecting demographic information during exam enrollment
- Offering post-exam survey
- Offering survey upon recertification

NRPP website

- Adding certification information and clarifying process
- Reviewing and clarifying course approval and lab approval processes
- Making device approval, lab approval, course approval processes available on website



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