National Radon Safety Board
NRSB
Certified Radon Professionals

Application for **Radon Chamber Accreditation**

This application is to be used for **INITIAL** and **RENEWAL** accreditation of a **RADON CHAMBER**.

You may email all applications and supporting documents to info@NRSB.org (preferred)
Fax – 914-345-1169 or mail to: NRSB, 14 Hayes Street, Elmsford, NY 10523.
Certification is subject to review and approval by the NRSB.

☐ Secondary Chamber ☐ Tertiary Chamber ☐ Initial ☐ Renewal NRSB Chamber #: _____

Radon Chamber Name*
(applicant) _____

Physical Address: _____

City, State, Zip: _____

Mailing Address (if different) _____

Contact Person: _____

Telephone: _____ Fax: _____

E-mail: _____ Website: _____

*The Radon Chamber Name and address will appear on the certificate issued by NRSB.

An NRSB Accredited Radon Chamber must be affiliated with an NRSB Registered Business. Indicate the name and NRSB registration number of each affiliated radon business below, attach additional pages if necessary.

Affiliated Radon Business _____ NRSB Business Reg. # _____

Devices

- List all devices and/or instrument models that will be exposed in the radon chamber. Attach additional pages if necessary.

Measurement Method Codes:
Alpha Track Detector (**AT**); Charcoal Canister (**AC**); Liquid Scintillation Vial (**LS**); Electret Ion Chamber-Short Term (**ES**); Electret Ion Chamber-Long Term (**EL**); Continuous Radon Monitor (**CR**); Blind Continuous Radon Monitor (**BCR**); Working Level Monitor (**WL**)

Measurement Method Code	Manufacturer / Model	NRSB Device Code	Services offered		
			Calibration	Proficiency Test	Spike
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐

The manufacturer must provide a letter authorizing calibration of a listed CR or WL instrument by the chamber facility.

Applications from chambers offering calibration services for CR or WL instruments will not be accepted without this authorizing documentation.

National Radon Safety Board
NRSB
Certified Radon Professionals

Application for **Radon Chamber Accreditation**

THE SECTION NUMBERS INDICATED BELOW REFER TO THE NRSB CHAMBER ACCREDITATION POLICY

Chamber Design (Section 3.0)

If applying for **Renewal** of an existing accreditation, attach a description of any changes to the chamber design.
If there have been no changes to the design the responsible individual must ***initial here***. No changes to design: _____

For **Initial Applications**, attach a separate sheet describing the radon chamber. The description **must** include the following elements:

- **Radon Source (Section 3.1)**
  - The manufacturer, model, serial number of the radon generator source
  - The traceability of the radon generator source to the primary reference standard, such as a certificate of analysis
  - Description of the construction of non-commercial sources or sources using natural products
  - If the radon generator source is composed of natural products include documentation showing that the emission of thoron (radon-220) is negligible
  - The activity of the radium-226 in the radon generator source in micro-curies
  - Demonstrate and document that State and Federal radioactive materials licensing requirements have been met
  - How the radon generator source is sealed to prevent leaks and how it is shielded

- **Chamber Size (Section 3.2)**
  - Chamber volume in cubic meters
  - Maximum number of devices to be exposed simultaneously
  - If using charcoal adsorption devices include documentation of the effect of charcoal loading

- **Air Flow (Section 3.3)**
  - If air flow in the radon chamber is static or dynamic
  - If the air flow is dynamic, how the air flows from the source through the chamber and how the air flow rate is controlled. Indicate the normal range of air flow rate and/or chamber air change rate
  - The methods used to prevent exposure from radon leakage from the chamber
  - How the chamber vents to outdoor air to prevent the introduction of radon into occupied indoor spaces

- **Environmental Conditions (Section 3.4)**
  - The expected radon concentration range in the chamber in pCi/L
  - How the radon concentrations are homogeneously maintained
  - The range of environmental conditions that will be used for exposures
  - How the internal chamber temperature is controlled between 18 and 27 C
  - How the relative humidity is controlled between 20 and 80 %
  - If the radon concentration or other environmental conditions can be varied, the methods used to change the environmental conditions

- **Chamber Monitoring Instruments (Section 3.5)**
  - The manufacturer, model, serial number and NRSB device code of any instrument or device used to determine radon concentration and/or radon decay product (RDP) concentration in the radon chamber
  - The manufacturer, model and serial number of any temperature, humidity or other instruments used to monitor environmental conditions in the radon chamber

- Provide the name and certification number of the NRSB Radon Measurement Specialist who is directly responsible for the operation and oversight of the **Quality Assurance Program** for the radon chamber.

Name: _____ NRSB RMS Certification #:_____

- **Personnel (Section 4.0)**
  - Describe the responsibilities and training requirements of all personnel directly involved with the operation of the radon chamber.
  - Provide a list of all personnel, their responsibilities, documentation of their training and credentials, including any contractors or subcontractors, who are directly involved in the operation of the radon chamber.
  - If there have been no changes to personnel, initial here: _____

- **Documentation (Section 5.0)**
  - Include annual certificates of calibration for each chamber monitoring instrument used during the accreditation period.
  - Provide the results of any current annual inter-comparisons of the chamber with the Primary chamber or an NRSB Accredited Secondary chamber.
  - Provide evidence that the chamber conditions are consistent over the period of an exposure.
  - Provide an example for each current certificate or report that will be issued for services provided.

Items that should be included on "Certificate of Calibration"

1. Name of Chamber Performing Calibration
2. Address of Chamber Performing Calibration
3. Chamber's NRSB accreditation number
4. Name and Title of person certifying calibration
5. NRSB (RMT or RMS) certification number for person certifying calibration
6. Signature of person certifying calibration

For device being calibrated

1. Instrument Model
2. Instrument Type
3. Serial Number
4. NRSB Device Code
5. Date of calibration
6. Dates and times for chamber exposure (start and stop)
7. Mean chamber conditions during exposure (radon conc., temp, humidity, etc.)
8. Parameter(s) calibrated for: "radon gas concentration" and/or "radon progeny concentration"
9. Conversion Factor
10. Background Level
11. Indicate units of calibration factor (e.g. "cpm/(pCi/L")
12. Indicate units of instrument background (e.g. "cpm") Estimate of statistical uncertainty or "error range" for this calibration step (e.g. "+/- 3% at 2-sigma"); or an estimate of the total uncertainty or "error range" for this calibration

- **Quality Assurance (Section 6.0)**
  - NRSB radon chamber accreditation requires that the following components of a Quality Assurance Program are documented:
    - Quality Assurance Plan
    - Standard Operating Procedures
    - Worker Safety Plan
  - Quality Assurance programs require specific elements. Contact NRSB for further information regarding quality programs. NRSB chamber accreditation does not necessarily constitute approval of the Quality Assurance program.

The NRSB reserves the right to request copies of any of the Quality Assurance documents described above.

Use of Accreditation and Logo

The applicant will not make claims about NRSB accreditation in a manner inconsistent with the scope of the accreditation issued. The applicant will not use NRSB accreditation status in any manner that would bring disrepute on the NRSB or be used in a way the NRSB deems misleading. The applicant agrees to discontinue any claims of accreditation including use of the NRSB logo, NRSB accreditation numbers, and references to NRSB that may be misleading upon suspension or revocation of accreditation.

Code of Ethics for Radon Professionals

The following Code of Ethics serves as an agreement with radon professionals who possess a current NRSB certification. The established rules are necessary to protect the life, health, property and welfare of the public, and to maintain the credibility of the certification program. Accordingly, each NRSB certificate holder agrees to retain full responsibility and liability for their actions and agrees to comply with the following Code of Ethics. Violation of this Code of Ethics or failure to abide by the requirements described by any NRSB certified person might be cause for discontinuing certification.

Responsibility: Protect the safety, health and welfare of the public, by performing all certified activities in accordance with properly established and approved procedures and standards adopted by the NRSB.
Integrity: Perform all certified activities honestly and treat the public, clients and employer in an impartial, ethical and professional manner. All details of the certified activity shall faithfully and accurately reflect the inspections; procedures used, and result obtained.
Conflict of Interest: Consciously avoid conflicts of interest and openly disclose such conflicts to all concerned parties.
Improper Conduct: Refrain from work activities outside the area of certification without prior approval.
Safety: Act in a safe and responsible manner while conducting certified activities, ensuring that all required and necessary safety procedures are in place and are being used by yourself and others for whom one is responsible.

_____Initial here to confirm you have read through the information above.

Representations

Has the chamber described in this application or anyone directly responsible for the operation and oversight of the chamber ever had a radon license, accreditation or certification denied, suspended, revoked or not renewed by a Federal, National, or State Radon Program?
☐ Yes ☐ No If yes, submit a letter explaining the reasons for the revocation or non-renewal.
The applicant agrees to notify the NRSB within 7 days, in writing, of any radon license, accreditation or certification denied, suspended, revoked, or not renewed by a National or State radon program.
The applicant agrees to notify the NRSB within 30 days, in writing, of any change in the information provided in this application.

The applicant and all persons or entities affiliated* with it are responsible for complying with the requirements of the State radon program in each State in which radon services are offered. Failure to maintain accreditation or licensure or engaging the services of an entity or individual that is not in compliance with the requirements of a States' radon regulations in which the applicant provides radon services may result in loss of NRSB accreditation.

The applicant attests that all information in this application is truthful and accurate and further agrees that the applicant and all persons or entities affiliated with it will comply with NSRB requirements. Providing false or misleading information or failing to comply with NRSB requirements may result in loss of NRSB accreditation. The NRSB reserves the right to contact any State, National, or private certification agency regarding any information provided in this application.

The undersigned understands that accreditation does not constitute any form of license. Additionally, the applicant releases and forever discharges the, NRSB, a non-profit organization, and NRSB contractors or subcontractors from any and all liabilities, claims, demands, or causes of action whatsoever, which now exist or which may hereafter arise on

*Affiliated: an affiliated entity is owned or substantially controlled by another entity

account of the applicant's activities henceforth as accredited by the NRSB. The applicant authorizes the NRSB to list the applicant's accreditation on the Internet or in printed publication. For good and valid consideration it is acknowledged herein the applicant agrees to release and discharge the NRSB from any and all claims related to this application for the applicant's certification or accreditation by the NRSB that exists now or in the future.

The signatory must be the individual who is directly responsible for the operation and oversight of the Quality Assurance Program for the radon chamber.

–

Signature	Print Name	Title	Date

National Radon Safety Board
NRSB
Certified Radon Professionals

Application for **Radon Chamber Accreditation**

Name of Applicant/Chamber: _____

APPLICATION FEES

PLEASE SELECT ONE OR MORE AS APPLICABLE

Radon Measurement Technician	☐ 1 year $125.00	☐ 2 years $200.00	
Radon Measurement Specialist	☐ 1 year $125.00	☐ 2 years $200.00	
Radon Mitigation Specialist	☐ 1 year $125.00	☐ 2 years $200.00	
Laboratory Accreditation	☐ 1 year $125.00	☐ 2 years $200.00	
Tertiary Chamber	☐ Initial $400.00	☐ Renewal $250.00	
Secondary Chamber	☐ Initial $600.00	☐ Renewal $350.00	
Total (Non-Refundable)			

Check Enclosed/Make Checks Payable To: **CCICN/NRSB**

Credit or Debit Card payment: https://link.clover.com/urlshortener/R8FQVf

ALL PAYMENTS ARE NON-REFUNDABLE

Checklist for applications (initial and renewal)

- Code of ethics response on each application *(page 3)*
- Sign and date all applications
- Continuing Education credits *(for renewal applications)*
- Certificate of Calibration for CRM(s) & Electret Ion Chambers *(if applicable)*
- Proficiency Test for each model of CRM and for each type of Electret Ion Chamber *(initial applications)*
- Proficiency Test for each model of CRM not listed in previous applications and for each type of Electret Ion Chamber not listed in previous applications *(renewal applications)*
- Either a Blind Spike Test or a Proficiency Test for each type of Electret Ion Chamber listed in previous applications
- *(renewal applications)*
- Application Fees

You may send applications and supporting documents to: **info@NRSB.org**, (Preferred method) Fax (914.345.1169) or send to: NRSB, 14 Hayes Street, Elmsford, NY 10523.
If you have any questions please contact NRSB at 914.345.1168.

Certification is subject to review and approval by the NRSB