



# NRSB BLIND SPIKING INSTRUCTIONS

NRSB Accredited Radon Chamber #NRSB TRC6002

**RAD ELEC INC**

5716-A Industry Lane

Frederick, MD 21704

info@radelec.com

This blind spiking service is only valid for **NRSB renewal certifications**. This service is not valid for NRSB initial performance testing or reinstatement of lapsed certifications. This blind spiking service offered through Rad Elec is not recognized by the NRPP for meeting Device Performance Test requirements.

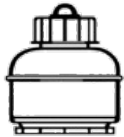
## Instructions:

1. Complete the form on the second page. You must submit a printed form alongside your detectors, or they will not be exposed and delays will occur.
2. Choose your electrets and chambers for the blind spiking service. Ensure that you use nitrogen to thoroughly clean both your electrets and chambers.
3. Record the initial voltage readings for each electret. Please make sure that the **initial voltage of each electret is at least 200**. If sending S or L-OO chambers, load the electrets and ensure that the chambers are in the **closed position**. If sending L chambers, place the electret in its keeper cap and ship the L chamber separately.

The NRSB allows 5 E-PERMs® to be submitted as blind spikes with each Radon Measurement Specialist renewal application. These 5 E-PERMs® do not need to be submitted simultaneously, provided they are completed within the chosen renewal period of 1 or 2 years.

### S & L-OO Chambers

Load the electret into a closed S Chamber or L-OO Chamber.



### L Chambers

Place the electret in its keeper cap and ship alongside L Chamber.



4. Carefully package your electret ion chambers, and mail them to Rad Elec. Once Rad Elec receives your spikes, they will be exposed in our radon chamber and then mailed back to you. **The start and end dates and times will be written within the exposure period section on your spiking form.**
5. After you receive your detectors from Rad Elec, read the final voltages and analyze your results **using the chamber details and exposure period provided on the blind spiking form.** Email your results to [info@radelec.com](mailto:info@radelec.com) with the subject "BLIND Spiking Test", and we will provide you with a finalized report. Send this finalized report to the NRSB as part of your renewal certification.

### **Blind Spiking Pricing**

**\$25 per E-PERM® detector  
(plus shipping)**

### **Shipping Address**

Rad Elec Inc.  
Attn: Radon Chamber Lab  
5716-A Industry Lane  
Frederick, MD 21704  
United States of America



# NRSB BLIND SPIKING SERVICE FORM

NRSB Accredited Radon Chamber #NRSB TRC6002

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5716-A Industry Lane

Frederick, MD 21704

info@radelec.com

## COMPANY INFORMATION

Company Name: \_\_\_\_\_

Contact: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

### SHIPPING

Please select one

UPS Ground (faster, more expensive)

USPS Priority (slower, less expensive)

### MEASUREMENT UNITS

Please select one

US Units (pCi/L, feet,  $\mu$ R/hr)

SI Units ( $Bq/m^3$ , meters, nGy/hr)

### RMS

Certification #

Electret Serial	Configuration	Initial Voltage	Final Voltage	Radon Concentration

## CONFIGURATION TYPES

SST = S Chamber with Short-Term Electret

LST = L Chamber with Short-Term Electret

LST-OO = L-OO Chamber with Short-Term Electret

SLT = S Chamber with Long-Term Electret

LLT = L Chamber with Long-Term Electret

LLT-OO = L Chamber with Long-Term Electret

LMT-OO = L Chamber with Mid-Term Electret

### EXPOSURE PERIOD

(to be filled out by Rad Elec Radon Chamber)

Start Date / Time: \_\_\_\_\_

End Date / Time: \_\_\_\_\_

### CHAMBER DETAILS

Elevation: **300 feet**      **91 meters**

Background Gamma: **8.0  $\mu$ R/hr**      **69.6 nGy/hr**