



SPIKING INSTRUCTIONS

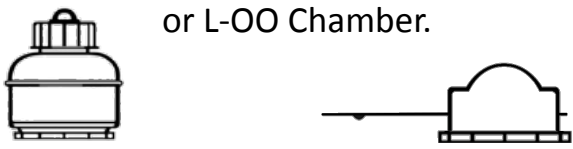

NRSB Accredited Radon Chamber #NRSB TRC6002

RAD ELEC INC
5716-A Industry Lane
Frederick, MD 21704
info@radelec.com

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 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.

NRSB and NRPP require spiking to be performed through an accredited radon chamber at a rate of 3 per 100 measurements, with a minimum of 3 per year and a maximum of 6 per month.

<p align="center"><u>S & L-OO Chambers</u></p> <p align="center">Load the electret into a closed S Chamber or L-OO Chamber.</p> 	<p align="center"><u>L Chambers</u></p> <p align="center">Place the electret in its keeper cap and ship alongside L Chamber.</p> 
--	---

4. Carefully package your electret ion chambers, and mail them to Rad Elec. Due to potential x-ray exposure during transportation Rad Elec recommends sending one E-PERM® to be used as a shipping blank along with your other detectors. The shipping blank must be clearly marked so that it isn't accidentally exposed in the chamber.
5. 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.
6. After you receive your detectors, read the final voltages and analyze your results using the chamber details and exposure period provided on the spiking form.

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

Spiking Pricing
\$20 per E-PERM® detector
(plus shipping)



SPIKING SERVICE FORM
NRSB Accredited Radon Chamber #NRSB TRC6002

RAD ELEC INC
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, μ R/hr)
- SI Units (Bq/m³, meters, nGy/hr)

**TARGET RADON
CONCENTRATION**

(to be filled out by Rad Elec)

Electret Serial	Configuration	Initial Voltage	Final Voltage	Radon Concentration
	Shipping Blank			Shipping Blank

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

LMT-OO = L Chamber with Mid-Term Electret

SLT = S Chamber with Long-Term Electret
LLT = L Chamber with Long-Term Electret
LLT-OO = L Chamber with Long-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 μ R/hr** **69.6 nGy/hr**