

Rad Elec Inc.

5716-A Industry Lane
Frederick, MD 21704

Tel: 800-526-5482
Fax: 301-694-0013
E-mail: info@radelec.com

SPIKING SERVICE FORM

NRSB Accredited Radon Chamber #NRSB TRC6002

Instructions:

Please complete the Company Information and the first three Columns of the E-PERM[®] Spiking Table on the following page. If using the Radon Report Manager (RRM) Software, go to test data, enter your company information as the customer, and select the spiking protocol in the yellow box. The spiking form will auto-fill. Print it out and mail it with your spikes. Make sure that you thoroughly blow off both the inside of the chambers and the surface of the electrets with nitrogen prior to initial voltage reading. Make sure the start volts are **300** or more.

- **If using S-Chambers or L-OO Chambers the electrets must be loaded in the chambers and placed in the closed position before shipping.**
- **For L-Chambers place the electrets in their keeper caps and ship along with the L-chambers.**

Due to x-rays and gamma exposure during transportation Rad Elec recommends sending one E-PERM[®] to be used as a shipping blank (at no additional charge) along with your spiking E-PERMs[®]. The shipping blank E-PERM[®] *must be easy to identify* (labeled, taped, marked, etc.) and identified as a shipping blank in the E-PERM[®] configuration column on the next page. Send the E-PERMs[®] to Rad Elec for exposure in our Radon Test Chamber. Once they are returned to you, take the final reading and calculate the radon concentration using the deployment information provided on the following page. Once all final voltages and been entered and radon concentrations have been calculated, enter the target radon concentration (Target RnC) next to the pCi/L for each spike. The relative percent error (% RPE) will automatically calculate. To view the spiking report go to "Reports" from the main menu. If you do not have the RRM software please contact Rad Elec and we can provide you with an Excel Spreadsheet for your spiking report.

- Rad Elec Spiking Service: \$20.00 per E-PERM[®] detector
- Shipping additional

Note: The NRPP and NRSB 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.

Shipping Address:
Rad Elec Inc.
Attn: Radon Chamber Lab
5716 Industry Ln, Ste A
Frederick, MD 21704

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SPIKING DATA

COMPANY INFORMATION:

Company Name: _____

Contact: _____

Address: _____

Telephone: _____

Email: _____ Fax: _____

SPIKING SERVICE IS PERFORMED IN 48 HOUR TESTS FROM MONDAY-WEDNESDAY AND WEDNESDAY-FRIDAY
PLEASE CHECK ONE:

- SHIP SPIKES THE DAY THEY COME OUT OF THE RADON CHAMBER VIA UPS GROUND (faster, but more expensive)
 SHIP SPIKES THE FOLLOWING BUSINESS DAY VIA USPS PRIORITY (slower, but less expensive)

E-PERM® Spiking Table

Electret Serial No.	E-PERM® Configuration*	Start Volts	End Volts	Measured RnC in pCi/L or Bq/m ³
	Shipping Blank			Shipping Blank

*E-PERM® Configuration: SST = S Chamber with Short-Term Electret SLT = S Chamber with Long-Term Electret
LST = L Chamber with Short-Term Electret LLT = L Chamber with Long-Term Electret
LST-OO = L-OO Chamber with Short-Term Electret LLT-OO = L-OO Chamber with Long-Term Electret

Radon Chamber Deployment Information:	US Units	SI Units
Start Date/Time: _____	Elevation: <u>300</u> feet	<u>91</u> meters
End Date/Time: _____	Background Gamma: <u>8.0</u> μ R/hr	<u>69.6</u> nGy/hr
Target Radon Concentration in Radon Chamber: _____	<u> </u> pCi/L	<u> </u> Bq/m ³