

<b>NRC FORM 314</b> <small>(6-2004)          10 CFR 30.38(j)(1); 40.42(j)(1);          70.38(j)(1); and 72.54(j)(1)</small>	<b>U.S. NUCLEAR REGULATORY COMMISSION</b>	<b>APPROVED BY OMB: NO. 3150-0028</b> <small>Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0028), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.</small>	<b>EXPIRES: 06/30/2007</b>
<b>CERTIFICATE OF DISPOSITION OF MATERIALS</b> <div style="text-align: right; margin-right: 100px;"><i>MM5B3</i></div>			

<b>LICENSEE NAME AND ADDRESS</b>  <b>Shield Engineering, Inc.</b> <b>4301 Taggart Creek Road</b> <b>Charlotte, NC 28208</b>	<b>LICENSE NUMBER</b> <b>32-30859-01</b>	<b>DOCKET NUMBER</b> <b>030-36461</b>
<b>LICENSE EXPIRATION DATE</b> <b>January 31, 2014</b>		

**A. LICENSE STATUS (Check the appropriate box)**

This license has expired.      This license has not yet expired; please terminate it.

**B. DISPOSAL OF RADIOACTIVE MATERIAL**

*(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)*

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

1. No radioactive materials have ever been procured or possessed by the licensee under this license.

2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner:

a. Transfer of radioactive materials to the licensee listed below: **TN License #R-N-N7007-B15**  
**Shield Engineering, Inc.**  
**4301 Taggart Creek Rd., Charlotte, NC 28208**

b. Disposal of radioactive materials:

1. Directly by the licensee:

2. By licensed disposal site:

3. By waste contractor:

c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

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**C. SURVEYS PERFORMED AND REPORTED**

1. A radiation survey was conducted by the licensee. The survey confirms:

a. the absence of licensed radioactive materials

b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.

2. A copy of the radiation survey results:

a. is attached; or  b. is not attached (Provide explanation); or  c. was forwarded to NRC on: \_\_\_\_\_ Date \_\_\_\_\_

3. A radiation survey is not required as only sealed sources were ever possessed under this license, and

a. The results of the latest leak test are attached; and/or      b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

NAME <b>Keith A. Anthony</b>	TITLE <b>Radiation Safety Officer</b>	TELEPHONE (Include Area Code) <b>704-394-6913</b>	E-MAIL ADDRESS <b>NA</b>
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Mail all future correspondence regarding this license to:  
**4301 Taggart Creek Road, Charlotte, NC 28208**

**C. CERTIFYING OFFICIAL**

**I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT**

PRINTED NAME AND TITLE <b>Keith A. Anthony - RSO</b>	SIGNATURE <i>Keith A. Anthony</i>	DATE <b>2/2/06</b>
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**WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.**

# RSSI

6312 W. Oakton Street  
Morton Grove, IL 60053-2723  
847-965-1999

## SEALED SOURCE LEAK TEST ANALYSIS REPORT

Facility: Shield Engineering  
Address: 4301 Taggart Creek Rd.  
Charlotte, NC 28208

Purchase Order Number:  
Person Submitting Samples: Jason Nelson  
Date Samples Collected: 12/12/05  
Send Results To: Shield Engineering  
**ATTN: Keith Anthony**

Telephone: 704-394-6913  
FAX:  
License No.: 060-0992-1 (NC)

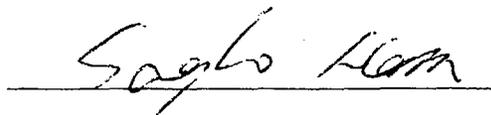
RSSI SAMPLE NUMBER	CLIENT REFERENCE	RADIO-NUCLIDE	ACTIVITY (mCi)	SOURCE CALIBRATION DATE	DEVICE MANUFACTURER	SOURCE MODEL NUMBER	SOURCE SERIAL NUMBER	RESULTS* (μCi)
052395	3430-C	Cs-137 Am-241	9 44	-	Troxler	3430	30052	1.4 x 10 <sup>-5</sup> < 1.2 x 10 <sup>-6</sup>

Analysis authorized by license No. IL-01429-01. Analysis approved by the Canadian Nuclear Safety Commission, meeting the criteria and requirements of R-116. Analysis instrument: Nuclear-Chicago Spectro Shield 1152 α/β counter. Serial number 28458. Calibrated February 4, 2005. Measuring time = 5 minutes. Alpha background = 0.12 cpm. Beta/Gamma background = 2.59 cpm.

Most regulatory agencies consider a source to be leaking if a leak test indicates the presence of more than 0.005 μCi (5 x 10<sup>-3</sup> μCi) of removable contamination. Sources for which the results indicate the presence of 5 x 10<sup>-4</sup> μCi or more of removable activity should be investigated.

\* < followed by a number indicates the activity is below the limit of detection.

A highlighted result exceeds regulatory limits and was reported by telephone to the person submitting the sample and/or \_\_\_\_\_ on \_\_\_\_\_.



 **SHIELD**  
ENGINEERING, INC.  
4301 Taggart Creek Road  
Charlotte, North Carolina 28208

Licensing Assistant Section  
Nuclear Materials Safety Branch  
U.S. Nuclear Regulatory Commission, Region 1  
475 Allendale Road  
King of Prussia, PA 19406-1415



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This is to acknowledge the receipt of your letter/application dated

2/2/2006, and to inform you that the initial processing which includes an administrative review has been performed.

*TERMINATION 32-30859-01*  
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

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A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 138378.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI)  
(6-96)

Sincerely,  
Licensing Assistance Team Leader