

# LAWHORNE BROTHERS

INCORPORATED

P.O. BOX 10005 LYNCHBURG, VA. 24506

(804) 239-8821 • FAX (804) 237-1106

January 5, 2007

AMSB

RECEIVED  
REGION I  
2007 JAN 30 AM 10: 57

Ms. Diane Heim  
Regulatory Commission Region II  
Sam Nunn Atlanta Federal Center  
61 Forsyth Street, SW, Suite 23T85  
Atlanta, Georgia 30303-8931

45-24973-01  
03030437

RE: Shannon Dawson  
SS# [REDACTED]

Dear Ms. Heim:

This letter is to inform you that Shannon Dawson will be replacing Brian Frank as the Radiation Safety Officer for Lawhorne Brothers, Inc. Please make this change effective upon USNRC approval.

Enclosed are copies of Mr. Dawson's Radiation Safety Officer Certification and Nuclear Safety and Transportation of Hazardous Materials Certification from Troxler. Mr. Dawson is currently using our company's density gauge.

If you have any questions or if I may be of any assistance, please do not hesitate to call me at 804-239-8821.

Sincerely,



Bonnie C. Duff  
Office Manager

/bd

Enclosures:

PERSONAL INFORMATION WAS REMOVED  
BY NRC. NO COPY OF THIS INFORMATION  
WAS RETAINED BY THE NRC.

140033

NUCLEAR MATERIALS-002

# Certificate of Completion

This certifies that

**Shannon S. Dawson**

has successfully completed the

**Radiation Safety Officer Class**

conducted by the training department of

*Troxler Electronic Laboratories, Inc.*

*Harvey Dunlevy*

Harvey Dunlevy  
Instructor

3/2/2006  
Date

William F. Troxler, Jr.  
President



Troxler Electronic Laboratories, Inc.  
PO Box 12057 • 3008 Cornwallis Rd. • Research Triangle Park, NC 27709  
Phone: (919) 549-8661 • Fax: (919) 549-0761 • Web site: [www.troxlerlabs.com](http://www.troxlerlabs.com)

Enrollment ID: 16521

# HAZMAT Certification

as required by U.S. DOT and IATA

*This certifies that*

**Shannon S Dawson**

*has been trained and tested in accordance with the U.S. Department of Transportation and International Air Transport Association (IATA) hazardous material requirements for general awareness/familiarization, function-specific, safety, and security awareness training as related to the transportation of nuclear gauges. A description of the training course materials is available from Troxler Electronic Laboratories, Inc.*

<b>3/2/2006</b>	<b>3/2/2008</b>	<b>3/2/2009</b>	<b>Harvey Dunlevy</b>
<i>Training Date</i>	<i>Expiration per IATA*</i>	<i>Expiration per USDOT*</i>	<i>Instructor</i>

*\* For shipments by air, the IATA expiration date is applicable. For shipments by highway, the USDOT expiration is applicable.*



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*Certified by*

*Company Official:* \_\_\_\_\_

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

*Company Address:* \_\_\_\_\_

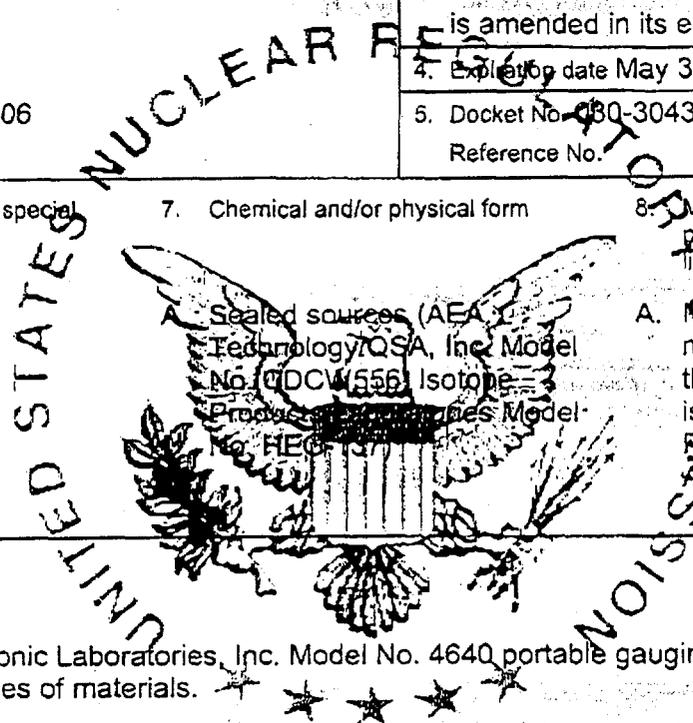
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Enrollment ID: 16521

**MATERIALS LICENSE**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p style="text-align: center;">Licensee</p> <p>1. Lawhorne Brothers, Inc.</p> <p>2. P. O. Box 10005 Lynchburg, Virginia 24506</p>	<p>In accordance with the letter dated May 10, 2004</p> <p>3. License number 45-24973-01</p> <p>is amended in its entirety to read as follows:</p> <p>4. Expiration date May 31, 2013</p> <p>5. Docket No. 45-30437 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Cesium 137</p>	<p>7. Chemical and/or physical form</p> <p>A. Sealed sources (AEA Technology/QSA, Inc. Model No. CDCW556) Isotope Product Model</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. No single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State</p>
		
<p>9. Authorized use:</p> <p>A. In Troxler Electronic Laboratories, Inc. Model No. 4640 portable gauging devices for measuring physical properties of materials.</p>		

**CONDITIONS**

- 10. Licensed material may be used or stored at the licensee's facilities located at 781 Lawyers Road (Route 683), Lynchburg, Virginia, and at temporary job sites of the licensee anywhere in the United States.
- 11. The Radiation Safety Officer for this license is Brian Frank.
- 12. Licensed material shall be used by, or under the supervision and in the physical presence of, individuals who have received the training described in the letter dated May 22, 2003.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
45-24973-01

Docket or Reference Number  
030-30437

Amendment No. 06

13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.
- B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.
- C. Sealed sources need not be tested if they contain only hydrogen-3 or they contain only a radioactive gas; or the half-life of the isotope is 30 days or less; or they contain not more than 100 microcuries of beta- and/or gamma-emitting material or not more than 10 microcuries of alpha-emitting material.
- D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
- E. Tests for leakage and/or contamination limited to leak test sample collection, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services. The licensee is not authorized to perform the analysis; analysis of leak test samples must be performed by persons specifically licensed by U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
14. Sealed sources or source rods containing licensed material shall not be opened or sources removed or detached from source rods or gauges by the licensee, except as specifically authorized.
15. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.
16. Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport or storage, or when not under the direct surveillance of an authorized user.

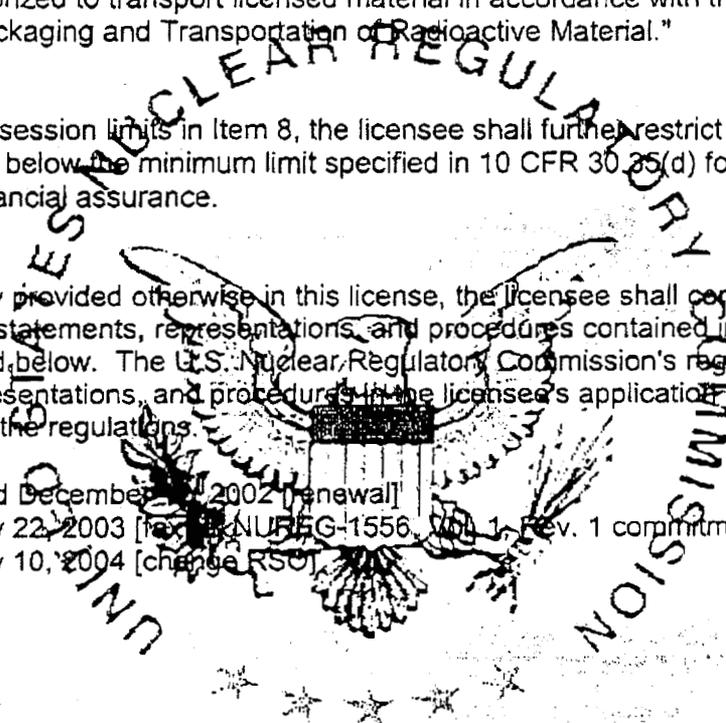
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17. Any cleaning, maintenance, or repair of the gauges that requires detaching the source or source rod from the gauge shall be performed only by the manufacturer or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
18. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
19. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.25(d) for establishing decommissioning financial assurance.
20. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
  - A. Application dated December 2002 [renewal]
  - B. Letter dated May 22, 2003 [re: NUREG-1556, Vol. 1, Rev. 1 commitments]
  - C. Letter dated May 10, 2004 [change RSO]



For the U.S. Nuclear Regulatory Commission

Date           JUL 13 2004          

By           Orysia Masnyk Bailey            
 Orysia Masnyk Bailey  
 Nuclear Materials Safety Branch 3  
 Division of Nuclear Materials Safety  
 Region I  
 King of Prussia, Pennsylvania 19406

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

1/5/2007, and to inform you that the initial processing which includes an administrative review has been performed.

AMEND. 45-24973-01  
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** 140033.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.