



# WOODIN + ASSOCIATES

Civil - Geotechnical Engineers  
Land Planners + Land Surveyors

## WOODIN + ASSOCIATES, L.L.C.

LEVELS BUSINESS PARK  
111 PATRIOT DRIVE - SUITE D  
MIDDLETOWN, DE 19709

## LETTER OF TRANSMITTAL

TO U.S. NRC - Region I  
2100 Renaissance Blvd, Suite 100  
King of Prussia, PA 19406-2713

DATE	3-24-15	JOB NO.	
ATTENTION	Sattar Lodhi, Ph.D.		
RE:	NRC License Renewal		

RECEIVED  
MIDDLETOWN DE  
MAR 24 2015

WE ARE SENDING YOU  ATTACHED  Under separate cover via \_\_\_\_\_ The following items:

Shop drawings  Prints  Plans  Samples  Specifications

Copy of letter  Change order  \_\_\_\_\_

COPIES	DATE	NO.	DESCRIPTION
2			NRC Form 313 with Items 5 through 11

THESE ARE TRANSMITTED as checked below:

For approval  Approved as submitted  Resubmit \_\_\_\_\_ copies for approval

For your use  Approved as noted  Submit \_\_\_\_\_ copies for distribution

As requested  Returned for corrections  Return \_\_\_\_\_ corrected prints

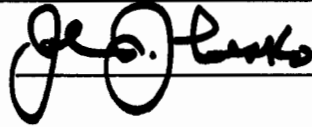
For review and comment  \_\_\_\_\_

FOR BIDS DUE  PRINTS RETURNED AFTER LOAN TO US

REMARKS \_\_\_\_\_

Lodhi, call me at 302-593-3056 if you should have any further questions. Thank you for your help.

John J. Lesko, Jr., P.E.

COPY TO \_\_\_\_\_ SIGNED: 



**APPLICATION FOR MATERIALS LICENSE**

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the FOIA, Privacy, and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), 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.

**INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW. \*AMENDMENTS/RENEWALS THAT INCREASE THE SCOPE OF THE EXISTING LICENSE TO A NEW OR HIGHER FEE CATEGORY WILL REQUIRE A FEE.**

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:	IF YOU ARE LOCATED IN:
OFFICE OF FEDERAL & STATE MATERIALS AND ENVIRONMENTAL MANAGEMENT PROGRAMS DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON, DC 20555-0001	ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:  MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION III 2443 WARRENVILLE ROAD, SUITE 210 LISLE, IL 60532-4352
ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS: IF YOU ARE LOCATED IN:	ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING,
SEND APPLICATIONS TO:  LICENSING ASSISTANCE TEAM DIVISION OF NUCLEAR MATERIALS SAFETY U.S. NUCLEAR REGULATORY COMMISSION, REGION I 2100 RENAISSANCE BOULEVARD, SUITE 100 KING OF PRUSSIA, PA 19406-2713	SEND APPLICATIONS TO:  NUCLEAR MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION IV 1600 E. LAMAR BOULEVARD ARLINGTON, TX 76011-4511  <b>030-36918</b>

**PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.**

1. THIS IS AN APPLICATION FOR (Check appropriate item)  <input type="checkbox"/> A. NEW LICENSE <input type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER _____ <input checked="" type="checkbox"/> C. RENEWAL OF LICENSE NUMBER <b>07-31039-01</b>	2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code) <b>WOODIN AND ASSOCIATES, LLC 111 PATRIOT DRIVE LEVELS BUSINESS PARK SUITE D MIDDLETOWN, DELAWARE 19709</b>
3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED <b>A.) 111 PATRIOT DRIVE - SUITE D MIDDLETOWN, DE. 19709  B.) TEMPORARY JOB SITES OF LICENSEE ANYWHERE IN U.S. WHERE NRC MAINTAINS JURISDICTION.</b>	4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION <b>JOHN J. LESKO, JR., P.E.</b>  BUSINESS TELEPHONE NUMBER: <b>302-602-3056</b> BUSINESS CELLULAR TELEPHONE NUMBER: <b>302-602-3056</b> BUSINESS EMAIL ADDRESS: <b>JLESKO@WOODINASSOCIATES.COM</b>

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.	6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.
8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.	7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.
10. RADIATION SAFETY PROGRAM.	9. FACILITIES AND EQUIPMENT.
12. LICENSE FEES (Fees required only for new applications, with few exceptions*) (See 10 CFR 170 and Section 170.31)	11. WASTE MANAGEMENT.  FEE CATEGORY: _____ AMOUNT ENCLOSED \$: _____

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.  
THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 37, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.  
WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 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.

CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE <b>JOHN J. LESKO, JR. PE - R50 VICE PRESIDENT</b>	SIGNATURE 	DATE <b>3-24-15</b>
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FOR NRC USE ONLY					
TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
APPROVED BY			\$	DATE	

**Items 5 and 6: Materials To Be Possessed and Proposed Uses**

Yes	No	Radionuclide	Manufacturer or Distributor Model No.	Quantity	Use as Listed on SSD Registration Certificate	Specify Other Uses Not Listed on SSD Registration Certificate
✓		Cesium-137	Gauge manufacturer or distributor and model number of the gauge:  TROXLER ELECTRONIC LABORATORIES INC.  MODEL 3430	Specify activity per source and number of gauges requested.  8 mCi  ONE (1) GAUGE	Yes <input checked="" type="checkbox"/> Specific description of the gauge use: GAUGE  TO BE USED TO MEASURE PHYSICAL PROPERTIES OF SOILS AND ASPHALT.	<input type="checkbox"/> Not applicable  <input type="checkbox"/> Uses are:  (Submit safety analysis supporting safe use)
✓		Americium-241	Gauge manufacturer or distributor and model number of the gauge:  TROXLER ELECTRONIC LABORATORIES INC.  MODEL 3430	Specify activity per source and number of gauges requested.  40 mCi  ONE (1) GAUGE	Yes <input checked="" type="checkbox"/> Specific description of the gauge use: GAUGE  TO BE USED TO MEASURE PHYSICAL PROPERTIES OF SOILS AND ASPHALT.	<input type="checkbox"/> Not applicable  <input type="checkbox"/> Uses are:  (Submit safety analysis supporting safe use.)

Yes	No	Radionuclide	Manufacturer or Distributor Model No.	Quantity	Use as Listed on SSD Registration Certificate	Specify Other Uses Not Listed on SSD Registration Certificate
	X	Californium-252	Gauge manufacturer or distributor and model number of the gauge: _____	Specify activity per source and number of gauges requested. _____ _____ _____	Yes <input type="checkbox"/> Specific description of the gauge use: _____ _____ _____ _____ _____	<input type="checkbox"/> Not applicable  <input type="checkbox"/> Uses are: _____  (Submit safety analysis supporting safe use.)
	X	Radium-226	Gauge manufacturer or distributor and model number of the gauge and number of gauges of each model that is being requested: _____	Specify activity per source and number of gauges requested. _____ _____ _____	Yes <input type="checkbox"/> Specific description of the gauge use: _____ _____ _____	<input type="checkbox"/> Not applicable  <input type="checkbox"/> Uses are: _____  (Submit safety analysis supporting safe use.)
	X	Other Isotope (Specify):	Gauge manufacturer or distributor and model number of the gauge: _____	Specify activity per source and number of gauges requested. _____ _____ _____	Yes <input type="checkbox"/> Specific description of the gauge use: _____ _____ _____	<input type="checkbox"/> Not applicable  <input type="checkbox"/> Uses are: _____  (Submit safety analysis supporting safe use.)
	X	Is financial assurance required? If yes, submit evidence of financial assurance				

**Items 7 through 11: Training and Experience,  
Facilities and Equipment, Radiation Safety Program,  
and Waste Disposal**

Item No. and Title	Suggested Response	Yes	Alternative Procedures Attached
<p><b>7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE— RADIATION SAFETY OFFICER</b></p> <p>Name: <u>JOHN LESKO</u></p>	<p>Provide documentation of the training of the proposed RSO.</p>	<p>Submit applicable documentation.</p>	
<p><b>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS</b></p>	<p>Before using licensed materials, authorized users will have successfully completed one of the training courses described in the "Criteria" part of the section titled "Training for Individuals Working in or Frequenting Restricted Areas" in NUREG-1556, Vol. 1, Rev. 2.</p>	<p align="center"><input checked="" type="checkbox"/></p>	<p align="center"><input type="checkbox"/></p>
<p><b>9. FACILITIES AND EQUIPMENT</b></p>	<p>No information needs to be submitted in response to this item; key issues are addressed under "Radiation Safety Program—Public Dose" and "Radiation Safety Program—Operating, Emergency, and Security Procedures" below.</p>	<p><b>Need Not Be Submitted with Application</b></p>	
<p><b>10.1 RADIATION SAFETY PROGRAM— AUDIT PROGRAM</b></p>	<p>The applicant is <i>not</i> required to, and should not, submit its audit program to the NRC for review during the licensing phase. The audit program will be reviewed during NRC inspections.</p>	<p><b>Need Not Be Submitted with Application</b></p>	
<p><b>10.2 RADIATION SAFETY PROGRAM— SURVEY INSTRUMENTS</b></p>	<p>We will either possess and use, or have access to and use, a radiation survey meter that meets the criteria in the section titled "Radiation Safety Program—Instruments" in NUREG-1556, Vol. 1, Rev. 2, "Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses," in the event of an incident.</p>	<p align="center"><input checked="" type="checkbox"/></p>	<p align="center"><input type="checkbox"/></p>



Item No. and Title	Suggested Response	Yes	Alternative Procedures Attached
10.7 RADIATION SAFETY PROGRAM—LEAK TEST	Leak tests will be performed at intervals approved by the NRC or an Agreement State and specified in the SSD registration certificate. Leak tests will be performed by an organization licensed by the NRC or an Agreement State to provide leak testing services to other licensees or using a leak test kit supplied by an organization licensed by the NRC or an Agreement State to provide leak test kits to other licensees and according to the kit supplier's instructions.	<input checked="" type="checkbox"/>	<input type="checkbox"/> The information in Appendix I supporting a request to perform the collection of leak test samples and sample analysis is attached.
10.8 RADIATION SAFETY PROGRAM—MAINTENANCE	<p><i>Routine Cleaning and Lubrication</i> We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.</p> <p><i>Nonroutine Maintenance</i> We will send the gauge to the manufacturer or other person authorized by the NRC or an Agreement State to perform nonroutine maintenance or repair operations that require detaching the source or source rod from the gauge.</p>	<input type="checkbox"/>  <input checked="" type="checkbox"/>	<input type="checkbox"/>  <input type="checkbox"/> The information listed in Appendix F supporting a request to perform nonroutine maintenance in house is attached.
10.9 RADIATION SAFETY PROGRAM—TRANSPORTATION	The applicant is <i>not</i> required to submit its response about transportation during the licensing process. This issue will be reviewed during inspection.		<b>Need Not Be Submitted with Application</b>
11. WASTE MANAGEMENT—GAUGE DISPOSAL AND TRANSFER	The applicant is <i>not</i> required to submit a response about waste management during the licensing process. However, the licensee should establish and include waste disposal procedures in its radiation safety program.		<b>Need Not Be Submitted with Application</b>

# TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

JOHN J. LESKO, JR.

of

E. H. RICHARDSON & ASSOCIATES

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.  
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

### Radiological Safety

1. Principles and practices of radiation protection.
2. Leak testing procedures.
3. Mathematics and calculations basic to the use and measurement of radioactivity.
4. Biological effects of radiation.
5. Radioactivity measurement standardization and monitoring techniques and instruments.
6. Accident and incident procedures.
7. Procedures for nuclear gauge storage and transportation.
8. General safety precautions.

### Gauge Operation

1. Instrument theory
2. Operating procedures
3. Maintenance
4. Field application
5. Gauge calibration

  
INSTRUCTOR

1/3/84

DATE

W.F. TROXLER

PRESIDENT

№ 5065



# Certificate of Completion

This certifies that

**LOWELL E. HUTCHINSON**

has successfully completed the

**Nuclear Gauge Safety Training Class**

conducted by the training department of

*Troxler Electronic Laboratories, Inc.*

Harvey Dunlevy  
**Instructor**

11/18/1992  
**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# 055809

# *Certificate of Completion*

This certifies that

**Denis Hulme**

has successfully completed the  
**Nuclear Gauge Safety Training Class**

conducted by the training department of

*Troxler Electronic Laboratories, Inc.*

  
**George Marshall**

Instructor

**6/8/2005**

Date

*William F. Troxler, Jr.*  
**President**

*Enrollment ID: 13559*



**TROXLER**

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