



1750 West College Avenue, Suite #1  
State College, PA 16801  
Phone: (814) 238-5071 Fax: (814) 238-0131

January 4, 2008

U.S. Nuclear Regulatory Commission, Region 1  
Licensing Assistance Team  
Division of Nuclear Materials Safety  
475 Allendale Road  
King of Prussia, PA 19406-1415

03034671  
X

RE: License No. 37-30438-01  
Expiration Date: 3/31/2008  
Program Code: 03121

Gentlemen:

Enclosed find our Application for Material License renewal for License No. 37-30438-01.

We contacted the NRC in Rockville, Maryland, and were told that no fee is associated with this renewal because the fee is assessed with our annual fee.

Should you have any questions regarding the enclosure, please contact me at (814) 278-6952.

Very truly yours,

HRI, INC.

Todd B. Emeigh  
Environmental Manager

TBE:dak  
Enclosures  
Certified Mail; Return Receipt Requested

RECEIVED  
REGION 1  
2008 JAN -7 AM 11:16

141558

NMSS/RGN1 MATERIALS-002

NRC FORM 313  
(10-2005)  
10 CFR 30, 32, 33,  
34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 10/31/2008

Estimated burden per response to comply with this mandatory collection request: 4.4 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 Records and FOIA/Privacy Services Branch (T-5 F53), 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, (3150-0120), 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.

APPLICATION FOR MATERIAL LICENSE

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.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY  
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

IF YOU ARE LOCATED IN:

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:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MISSISSIPPI, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, 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  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

NUCLEAR MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TX 76011-4005

03034671  
X

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)

- A. NEW LICENSE
- B. AMENDMENT TO LICENSE NUMBER \_\_\_\_\_
- C. RENEWAL OF LICENSE NUMBER 37-30438-01

2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)

HRI, Inc.  
1750 West College Avenue  
State College, PA 16801

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

1750 West College Avenue  
State College, PA 16801

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Todd Emeigh

TELEPHONE NUMBER

(814) 278-6952

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.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSE FEES (See 10 CFR 170 and Section 170.31)

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, 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

Todd B. Emeigh, Environmental Manager

SIGNATURE

*Todd B. Emeigh*

DATE

1/7/08

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	

141558

**APPLICATION FOR MATERIAL LICENSE  
HRI, Inc.**

	<u>Troxler Model No.</u>	<u>Gauge Serial No.</u>	<u>Curies (RO = 1.0) Cesium (CS 37)</u>	<u>Curies (RO = 0.01) Americium</u>
5.	3411B	6194	0.0081	0.0040
	4640	446	0.0080	-----
	4640B	1297	0.0080	-----
	341B	13281	<u>0.0074</u>	<u>0.0040</u>
			0.0315	0.0080

6. Use of licensed material will be to measure the physical properties of materials.
7. The Radiation Safety Officer will be Todd B. Emeigh. To date Mr. Emeigh has completed a Troxler Nuclear Gauge Safety Training course and has over 30 hours of hands-on experience with portable gauges. Mr. Emeigh has also completed a Troxler Radiation Safety Officer Training Course.
8. All individuals using the portable gauges will have completed a Troxler Nuclear Gauge Safety Training Course.
9. See attached Radiation Safety Program.
10. See attached Radiation Safety Program.
11. N/A

**HRI, INC.**  
**RADIATION SAFETY PROGRAM**

**RADIATION SAFETY OFFICER**

- A. **TODD B. EMEIGH** has been designated as the Company Radiation Safety Officer and will assume the duties and responsibilities that include the following:
1. To ensure that all terms and conditions of the license are being met and that the information contained in the license is up-to-date.
  2. To ensure that the equipment has been leak tested every six (6) months and that the leak test is performed in the manner prescribed by the equipment manufacturer.
  3. To ensure that the use of the equipment is only by individuals that have been properly trained and that have been authorized by the Radiation Safety Officer and that all users wear personal monitoring badges when utilizing the equipment.
  4. To maintain the records as required by the Nuclear Regulatory Commission. These records shall include personnel quarterly exposure records, leak test reports, and training certificates for all operators.
  5. To insure that the equipment is properly secured against unauthorized removal at all times, especially when it is not in use.
  6. To serve as a point of contact and give assistance in case an emergency such as damaged equipment or theft occurs. At that point the NRC and Troxler Electronics will be notified.
  7. To insure that all users have read and understand the radiation safety operating and emergency procedures as directed by the Radiation Safety Officer and Troxler Electronics.
  8. To post "Caution Radioactive Material" on the storage location, along with NRC Form #3 "Notice to Employees" nearby in a visible area.
  9. To conduct a written six (6) month inventory of all nuclear gauges and keep on file for inspection.

**OPERATING PROCEDURES**

A. **TRANSPORTATION OF EQUIPMENT**

1. All possible means shall be provided to ensure that the equipment is fully secured in the transporting vehicle and when transporting in an enclosed vehicle, keep the gauge in the trunk or rear compartment area so as to limit the exposure rate to a minimum. The vehicle will also be locked at all times. When transporting in an open bed vehicle, the gauge should be securely fastened and locked to the truck bed.

2. The gauge will be transported in the Troxler transportation case. The U.S. Department of Transportation requires that the gauge be transported in a properly labeled carrying case. A copy of the U.S.D.O.T. transport package certification will be kept with the transporter.
3. At all times during transport, the transporter (operator) will also have a properly completed Bill of Lading for each gauge, Source Certificate, Personal I.D., and a copy of the Transport Package Certification, as well as a "Troxler Nuclear Gauge Emergency Response Information Required for Transportation" document.

## B. UTILIZATION PROCEDURES

1. A utilization log book will be used to control the gauges whereabouts at all times - signing it out and back in when returning from the field.
2. When the gauge is in the field, we will maintain control over the gauge at all times. The gauge will never be left unattended, as this type of negligence has led to stolen or damaged equipment.
3. When not making measurements, the gauge will be placed in the transportation case and returned to its permanent storage area as soon as possible. The gauge will be properly used as directed by Troxler Electronics. This will maintain any radiation exposure below the acceptable limits. When recharging the gauge, it will be kept in the locked storage room.
4. When using the equipment, we will wear Landauer, Type B TLD badges that have been assigned to the specific operator. These badges will monitor both gamma and neutron radiation with quarterly exchange frequency and reports examined for unusually high dosages. Proper measures will be taken to correct this type of situation.

## C. MAINTENANCE AND LEAK TEST PROCEDURES

1. Periodic maintenance will include cleaning the gauge, at which point TLD badges will be worn.
2. No maintenance will be performed in which the radioactive source is removed from the gauge. Troxler Electronics will conduct source removal procedures only.
3. Leak tests will be done every six (6) months using the Troxler Model 3880 kit, following the instructions as outlined within the kit. TLD badges will be worn.

## EMERGENCY PROCEDURES

- A. In the event of physical damage to a gauge, the following will be done:
  1. Immediately cordon off an area around the gauge of at least 15 feet.

2. If a vehicle is involved, it will be stopped until the extent of contamination, if any, can be established.
  3. A visual inspection of the gauge will be made to determine if the source housing and/or shielding has been damaged.
  4. We will either possess and use, or have access to and use, a radiation survey meter that meets the criteria in the section entitled "Radiation Safety Program - Instruments" in NUREG-1556, Vol. 1, dated May, 1997, in the event on an incident.
  5. At the earliest possible time, when the situation is under control, we will contact the following:
    - a. TODD B. EMEIGH, our Radiation Safety Officer at (814) 238-5071, to whom we will describe present conditions and follow his instructions.
    - b. The Nuclear Regulatory Commission's Headquarters Operations Officer and describe conditions to him (301) 816-5100.
    - c. The D.O.T. National Response Center (800) 424-8802 and describe conditions to whomever answers.
    - d. Troxler Electronic Laboratories (919) 839-2676 for emergency assistance.
- B. In the event the gauge is lost or stolen, we will immediately notify the RSO, who in turn will contact the NRC and Troxler Electronics.

**A COPY OF THIS RADIATION SAFETY PROGRAM WILL BE KEPT WITH THE GAUGE AT ALL TIMES FOR REFERENCE WHEN NEEDED.**

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

4/7/2008, and to inform you that the initial processing which includes an administrative review has been performed.

Review 37-30438-01 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** 141558.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.