

(01-2020)  
10 CFR 30, 32,  
33, 34, 35, 36,  
37, 39, and 40



## APPLICATION FOR MATERIALS LICENSE

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 01/31/2023

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 Information Services Branch (T-6 A10M), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to [Infocollects.Resource@nrc.gov](mailto: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 CURRENT VOLUMES OF THE NUREG-1556 TECHNICAL REPORT SERIES ("CONSOLIDATED GUIDANCE ABOUT MATERIALS LICENSES") FOR DETAILED INSTRUCTIONS FOR COMPLETING THIS FORM: <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/>. SEND TWO COPIES OF THE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

**APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:**

MATERIALS SAFETY LICENSING BRANCH  
DIVISION OF MATERIAL SAFETY, STATE, TRIBAL AND RULEMAKING PROGRAMS  
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

**ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:****IF YOU ARE LOCATED IN:**

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA,  
GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, 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:**

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

**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

**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:**

NUCLEAR MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
1600 E. LAMAR BOULEVARD  
ARLINGTON, TX 76011-4511

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 \_\_\_\_\_

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

Mead and Hunt, Inc.  
400 Tracy Way, Suite 200  
Charleston, WV 25311

**3. ADDRESS WHERE LICENSED MATERIALS WILL BE USED OR POSSESSED**

400 Tracy Way, Suite 200  
Charleston, WV 25311

**4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION**

Robert L Parsons II

BUSINESS TELEPHONE NUMBER  
304 345-6712

BUSINESS CELLULAR TELEPHONE NUMBER  
304 541-5051

**BUSINESS E-MAIL ADDRESS**

bobby.parsons@meadhunt.com

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 AND 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 (Fees required only for new applications, with few exceptions\*)**

(See 10 CFR 170 and Section 170.31)

\*Amendments/Renewals that increase the scope of the existing license to a new or higher fee category will require a fee.

FEE  
CATEGORY

AMOUNT  
ENCLOSED \$

PER THE DEBT COLLECTION IMPROVEMENT ACT OF 1996 (PUBLIC LAW 104-134), YOU ARE REQUIRED TO PROVIDE YOUR TAXPAYER IDENTIFICATION NUMBER. PROVIDE THIS INFORMATION BY COMPLETING NRC FORM 531: <https://www.nrc.gov/reading-rm/doc-collections/forms/nrc531info.html>.

**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

Robert L Parsons II - Construction Inspection

SIGNATURE

DATE

6-17-21

**FOR NRC USE ONLY**

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

DATE



## SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL RADIOACTIVE MATERIAL LICENSE

Pursuant to the Atomic Energy and Radiation Control Act, Section 13-7-40 et seq. of S.C. Code of Laws of 1976, as amended, and Supplements thereto, and the South Carolina Department of Health and Environmental Control Regulation 61-63, Radioactive Material (Title A), and in reliance on statements and representations heretofore made by the applicant, a license is hereby issued authorizing the licensee to receive, acquire, possess and transfer radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules and regulations of the South Carolina Department of Health and Environmental Control now or hereafter in effect and to any conditions specified below.

Amendment No. 11 amends

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LICENSEE

3. License Number:

1. Name: Mead & Hunt, Inc.

840 in its entirety

2. Address:

878 South Lake Drive  
Lexington, SC 29072

4. Expiration Date:

September 30, 2026

5. Radioactive Material  
(Element & Mass No.)

6. Chemical and/or  
Physical Form

7. Maximum Radioactivity  
and/or quantity of material  
at any one time.

A. Cesium 137

A. Sealed source  
(Troxler Drawing No.  
A-102112)

A. 9 millicuries per source  
and 135 millicuries total.

B. Americium 241:Be

B. Sealed source  
(Troxler Drawing No.  
A-102451)

B. 44 millicuries per source  
and 660 millicuries total.

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8. Authorized Use:

A. and B. To be used in Troxler Model 3400 Series gauges to measure the moisture and density of various construction materials.

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**SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL**  
Radioactive Material License  
Supplementary Sheet

License No. 840  
Amendment No. 11

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Conditions

9. Licensed material may be stored at the licensee's facilities located at 878 South Lake Drive, Lexington, SC 29072 and may be used at temporary job sites of the licensee anywhere in South Carolina.
10. The licensee shall comply with the provisions of Title A, State of South Carolina Rules and Regulations for Radiation Control; Part I - General Provisions; Part II - Licensing of Radioactive Materials; Part III - Standards for Protection Against Radiations; and Part VI - Notices, Instructions, and Reports to Workers; Inspections.
11. Licensed material shall only be used by, or under the supervision and in the physical presence of, individuals who have received the training described in application dated September 1, 2016, and have been approved by the Radiation Safety Officer.
12. The Radiation Safety Officer for this license is Caleb Pozsik.
13. In addition to the possession limits in Item 7 of this license, the licensee shall further restrict the possession of licensed material to quantities below the limits specified in Table 1: Radionuclides of Concern, and to quantities below the minimum limit specified in RHA 1.15, Department Regulation 61-63, for establishing decommissioning financial assurance.
14.
  - A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed six (6) months. In the absence of a certificate from a transferor indicating that a test has been made within six (6) months prior to the transfer, the sealed source shall not be put into use until tested and the test results received.
  - B. Sealed sources need not be tested if they are in storage and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than ten (10) years without being tested for leakage and/or contamination.
  - C. The leak test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the leak test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Department regulations. A report shall be filed within five (5) days of the test with the Chief, Bureau of Radiological Health, South Carolina Department of Health & Environmental Control, 2600 Bull Street, Columbia, South Carolina 29201, describing the equipment involved, the test results, and the corrective action taken.
  - D. Collection of leak test samples shall be performed by the licensee or by other persons specifically licensed by the Department, the Nuclear Regulatory Commission or an Agreement State to perform such services. Analysis of leak test samples must be performed by persons specifically licensed by the Department, the Nuclear Regulatory Commission or an Agreement State to perform such services.
  - E. Records of leak test results shall be kept in units of microcuries and shall be maintained for three (3) years.



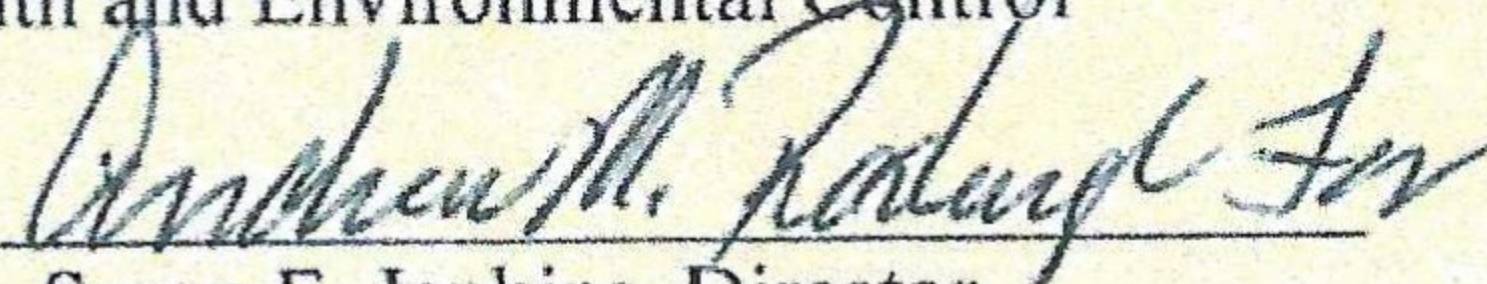
**SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL**  
Radioactive Material License  
Supplementary Sheet

License No. 840  
Amendment No. 11

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15. Sealed sources or source rods containing licensed material shall not be opened or sources removed from source rods or gauges by the licensee, except as specifically authorized.
  16. The licensee shall conduct a physical inventory every six (6) months to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for five (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.
  17. Except for maintaining labeling as required by Title A, Department Regulation 61-63, the licensee shall obtain authorization from the Department before making any changes involving the sealed source, device, or source-device combination that would alter the description or specifications indicated in Items 5, 6, 7 and 8 of this license.
  18. 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, storage, or when not under the direct surveillance of an authorized user.
  19. 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 other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
  20. The licensee is authorized to transport licensed material only in accordance with the provisions of RHA 2.22, Transportation of Radioactive Material, Department Regulation 61-63.
  21. 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 Department'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 September 1, 2016 signed by Caleb Pozsik.
    - b. Additional information letter dated September 22, 2016, signed by Caleb Pozsik.
    - c. Letter dated May 8, 2017, signed by Rudy Gerald Jr.
    - d. Letter dated June 23, 2017, signed by Jeffrey Miller.
    - e. Electronic letter dated April 15, 2021.

Date of Issuance: April 21, 2021

For the South Carolina Department  
of Health and Environmental Control

By:   
Susan E. Jenkins, Director  
Bureau of Radiological Health



**Suggested Format for Providing Information Requested in  
Items 5 through 11 of  
U.S. Nuclear Regulatory Commission Form 313**

**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
<input checked="" type="checkbox"/>		Cesium-137	Gauge manufacturer (or distributor) and model number: <u>Troxler 3430</u>	Specify activity per source and number of gauges requested.  <u>(2) Gauges</u>	Yes <input checked="" type="checkbox"/> Specific description of the gauge use: _____ _____ _____ _____ _____ _____	<input checked="" type="checkbox"/> Not applicable  <input type="checkbox"/> Uses are: _____  (Submit safety analysis supporting safe use.)
<input checked="" type="checkbox"/>		Americium- 241	Gauge manufacturer (or distributor) and model number: <u>Troxler 3430</u>	Specify activity per source and number of gauges requested.  <u>(2) Gauges</u>	Yes <input checked="" type="checkbox"/> Specific description of the gauge use: _____ _____ _____ _____ _____ _____	<input checked="" 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
	<input checked="" type="checkbox"/>	Californium-252	Gauge manufacturer (or distributor) and model number:  	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.)
	<input checked="" type="checkbox"/>	Radium-226	Gauge manufacturer (or distributor) and model number:  	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.)
	<input checked="" type="checkbox"/>	Other Isotope (Specify):	Gauge manufacturer (or distributor) and model number:  	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.)
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
<b>7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE—RADIATION SAFETY OFFICER</b>  Name: <u>Robert L. Parsons II</u>	Documentation demonstrating the proposed radiation safety officer's training and experience (e.g., certificate of completion of the RSO's course and/or the authorized user's course).	Submit applicable documentation.	
<b>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS</b>	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, "Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Portable Gauge Licenses."	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>9. FACILITIES AND EQUIPMENT</b>	Provide a facility diagram for each permanent portable gauge storage location. Include on the diagram the use of adjacent areas (including above and below), and information relevant to public dose and security as discussed in Sections 8.10.5, "Public Dose," and 8.10.6, "Operating, Emergency, and Security Procedures," respectively, in NUREG-1556, Vol. 1, Rev. 2, "Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Portable Gauge Licenses"	Submit applicable documentation.	