

NRC FORM 313

U.S. NUCLEAR REGULATORY COMMISSION

(1-2012)

10 CFR 30, 32, 33,
34, 35, 36, 39, and 40

APPLICATION FOR MATERIALS LICENSE

APPROVED BY OMB: NO. 3150-0120

EXPIRES: (03/31/2012)

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-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.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

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

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
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

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

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

24-20089-01

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

Engineering Surveys & Services
1113 Fay St
Columbia, MO 65201

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

1113 Fay St.; Columbia, MO 65201
802 El Dorado Dr.; Jefferson City, MO 65101
1775 W. Main St.; Sedalia, MO 65301

Used at temporary job sites anywhere in the U.S. where NRC
maintains jurisdictions.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Gregory Nehring, RSO

TELEPHONE NUMBER

(573) 449-2646

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 3.P

AMOUNT
ENCLOSED \$ 1,500.00

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

Gregory Nehring, RSO

SIGNATURE

DATE

3/6/2012

FOR NRC USE ONLY

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

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Item 5.1: Radioactive Material

A. Cesium – 137

1. Sealed sources in compatible gauges as specified in Sealed Source and Device Registration Sheet.
2. Not to exceed maximum activity per source as specified in Sealed Source and Device Registration Sheet.

B. Americium - 241

1. Sealed neutron sources in compatible gauges as specified in Sealed Source and Device Registration Sheet.
2. Not to exceed maximum activity per source as specified in Sealed Source and Device Registration Sheet.

Item 5.2: Financial Assurance and Record Keeping For Decommissioning

- A. Response need not be submitted with application.

Item 6: Proposed Use of Materials

- A. To measure physical properties of materials

Item 7: Individual(s) Responsible For Radiation Safety Program and Their Training Experience

- A. Radiation Safety Officer: Gregory Nehring
- B. Before obtaining licensed materials, the proposed RSO will have successfully completed one of the training courses described in Criteria in the section entitled "Individual(s) Responsible for Radiation Safety Program and Their Training and Experience-Radiation Safety Offices" in NUREG - 1556, Vol. 1, Revision 1, dated November 2001.
- C. Before being named as the RSO, future RSOs will have successfully completed one of the training courses described in Criteria in the section entitled "Individual(s) Responsible [or Radiation Safety Program and Their Training and Experience-Radiation Safety Officer" in NUREG - 1556, Vol. 1, Revision 1, dated November 2001.

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Item 8: Training For Individuals Working In or Frequenting Restricted Areas

- A. Before using licensed materials, authorized users will have successfully completed one of the training courses described in Criteria in the section entitled "Training For Individual(s) Working In or Frequenting Restricted Areas" in NUREG - 1556, Vol. 1, Revision 1, dated November 2001.

Item 9: Facilities and Equipment

- A. Response need not be submitted with application

Item 10.1: Radiation Safety Program - Audit Program

- A. Response need not be submitted with application

Item 10.2: Radiation Safety Program - Termination of Activities

- A. Response need not be submitted with application

Item 10.3: Radiation Safety Program - Survey Instruments

- A. 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, Revision 1, dated November 2001, in the event of an incident.

Item 10.4: Radiation Safety Program - Material Receipt and Accountability

- A. Physical inventories will be conducted at intervals not to exceed 6 months, to account for all sealed sources and devices received and possessed under this license.

Item 10.5: Radiation Safety Program – Occupational Dosimetry

- A. Either we will maintain, for inspection by the NRC, documentation demonstrating that unmonitored individuals are not likely to receive a radiation dose in excess of 10% of the allowable limits in 10 CFR Part 20 or we will provide dosimetry processed and evaluated by a NVLAP-approved processor that is exchanged at a frequency recommended by the processor.

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Item 10.6: Radiation Safety Program - Public Dose

- A. Response need not be submitted with application.

Item 10.7: Radiation Safety Program - Operating and Emergency Procedures

- A. We will implement and maintain the operating and emergency procedures in Appendix H in NUREG - 1556, Vol. I, Revision 1, dated November 2001, and provide copies of these procedures to all gauge users and at each job site.

Item 10.8: Radiation Safety Program - Leak Test

- A. Leak tests will be performed at intervals approved by the NRC or an Agreement State and specified in the Sealed Source and Device Registration Sheet. Leak tests will be performed by an organization authorized by NRC or an Agreement State to provide leak testing services for other licensees or using a leak test kit supplied by an organization authorized by NRC or an Agreement State to provide leak test kits to other licensees and according to the kit supplier's instructions.

Item 10.9: Radiation Safety Program – Maintenance

- A. Routine Cleaning and Lubrication
 - 1. We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.
- B. Non-Routine Maintenance
 - 1. We will send the gauge to the manufacturer or other person authorized by NRC or an Agreement State to perform non-routine maintenance or repair operations that require the removal of the source or source rod from the gauge.

Item 10.10: Radiation Safety Program – Transportation

- A. Response need not be submitted with application

Item 11: Waste Management - Gauge Disposal and Transfer

- A. Response need not be submitted with application

Engineering Surveys & Services
1113 Fay Street
Columbia, MO 65201

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US POSTAGE
CORRECTION
062S0005653052
65201

878336.25



USA
FIRST-CLASS
FOREVER



Materials Licensing Branch
US Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

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