

(04-2016)  
10 CFR 30, 32, 33, 34  
35, 36, 37, 39, and 40



## 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 e-mail to Infocollections.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:

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

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)

TTL Associates, Inc.  
44265 Plymouth Oaks Blvd.  
Plymouth, MI 48170

#### 3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

44265 Plymouth Oaks Blvd.  
Plymouth, MI 48170

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

Jeffrey S. Elliott, PE

BUSINESS TELEPHONE NUMBER  
(734) 455-8600

BUSINESS CELLULAR TELEPHONE NUMBER  
(734) 751-4931

BUSINESS EMAIL ADDRESS  
jelliott@tlassoc.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)

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

SIGNATURE

DATE

Jeffrey S. Elliott, PE Vice President

### FOR NRC USE ONLY

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

**Item 5 – Radioactive Material**

<u>Item</u>	<u>Radioisotope</u>	<u>Form</u>	<u>Quantity</u>	<u>Most Common Use</u>
A	Cesium-137	Sealed Sources	Not to exceed 80 millicuries	Portable moisture/density gauge
B	Americium-241	Sealed Sources	Not to exceed 400 millicuries	Portable moisture/density gauge
C	Californium-252	Sealed Sources	Not to exceed 200 microcuries	Portable moisture/density gauge
D	Radium-226	Sealed Sources	Not to exceed 38.5 millicuries	Portable moisture/density gauge
E	Cadmium 109	Sealed Source	Not to exceed 100 millicuries	Portable X-Ray Florescence Device

**Item 6 – Purpose(s) For Which Licensed Material Will Be Used**

- A. For use in Troxler Model 3400-series, or 4640-series portable measuring gauges to measure density of construction materials.
- B. For use in Troxler Model 3400-series portable measuring gauges to measure moisture of construction materials.
- C. For use in Troxler Model 3400-series portable measuring gauges to measure properties of materials.
- D. For use in Seaman Model C200-series portable measuring gauges to measure properties of construction materials.
- E. For use in a Fisher Thermo Scientific Model XLp300A portable X-ray florescence device to measure in-place lead concentrations.

**Item 7 – Individual(s) Responsible For Radiation Safety Program And Their Training Experience**

Mr. Jeffrey S. Elliott, P.E. has been designated as the Radiation Safety Officer (RSO). Mr. Elliott has completed a Nuclear Gauge Safety Training Course and a Radiation Safety Officer Class. Copies of his certificates are attached to this submittal.

Before being named RSO, future RSOs 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 Officer” section of the NUREG-1556, Volume 1, Rev. 1,” Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses,” dated November 2001.

## **Item 8 – Training For Individuals Working In Or Frequenting Restricted Areas**

Before using licensed materials, authorized users will have successfully completed one of the training courses described in Criteria in the section entitled “Training for Individuals Working In of Frequenting Restricted Areas” in NUREG-1556, Vol. 1, Rev. 1, “Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses,” dated November 2001.

This training will consist of either in-house or other available training courses.

## **Item 10 – Radiation Safety Program**

**Instruments** – TTL will 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, Rev. 1, “Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses,” dated November 2001, in the event of an incident.

**Material Receipt and Accountability** – Physical inventories will be conducted at intervals not to exceed 6 months, to account for all sealed sources and devices received and possessed under the license.

**Occupational Dosimetry** – TTL will either maintain, for inspection by NRC, documentation that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10 percent of the allowable limits as determined by 10 CFR 20.1201 or will provide dosimetry processed by a National Voluntary Laboratory Accreditation Program (NVLAP)-approved processor that is exchanged at a frequency recommended by the processor.

**Operating and Emergency Procedures** – TTL will implement and maintain the operating and emergency procedures in Appendix H of NUREG-1556, Vol. 1, Rev. 1, “Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses,” dated November 2001, and provide copies of these procedures to all gauge users and at each job site.

**Leak Test** – Leak tests will be performed at intervals approved by 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 to 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.

### **Maintenance –**

Routine cleaning and lubrication – TTL will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer’s recommendations and instructions.

Non-routine maintenance or repair operations that require detaching the source or source rod from the gauge – TTL 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 detaching the source rod from the gauge.

## Tomczak, Tammy

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**From:** Krista Socie <ksocie@tlassoc.com>  
**Sent:** Friday, April 22, 2016 4:16 PM  
**To:** Tomczak, Tammy  
**Subject:** [External\_Sender] RE: Form 313 - Renewal of Materials License  
**Attachments:** scan@tlassoc.com\_20160422\_161022.pdf

Tammy – here is what we were able to pull together so far. Jeff didn't sign the form (in case we need to revise). If you could look through it and let us know if we are missing anything or need to revised what/how we are sending, please let me know.

Thanks and have a great weekend!

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**From:** Tomczak, Tammy [mailto:Tammy.Tomczak@nrc.gov]  
**Sent:** Tuesday, April 19, 2016 4:56 PM  
**To:** Krista Socie  
**Subject:** Form 313 - Renewal of Materials License

Hi Krista,

Give me a call if you need any additional information, or if you have any further questions.

Thank you,

Tammy Tomczak  
Licensing Assistant  
(630) 829-9564