


<b>NRC FORM 313</b> (3-2009) 10 CFR 30, 32, 33, 34, 35, 36, 39, and 40	<b>U.S. NUCLEAR REGULATORY COMMISSION</b> <b>APPROVED BY OMB: NO. 3150-0120</b> <b>EXPIRES: 3/31/2012</b> 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 Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to <a href="mailto:infocollects.resource@nrc.gov">infocollects.resource@nrc.gov</a> , 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.
<h2 style="margin: 0;">APPLICATION FOR MATERIALS LICENSE</h2>	
<b>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.</b>	
<b>APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:</b>  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  <b>ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:</b>  <b>IF YOU ARE LOCATED IN:</b>  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	<b>IF YOU ARE LOCATED IN:</b>  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 612 E. LAMAR BOULEVARD, SUITE 400 ARLINGTON, TX 76011-4125
<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.</b>	
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 <u>21-26172-01</u>	2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)  <b>Andrews Material Testing Services, Inc.</b> <b>811 W. State St.</b> <b>St. Johns, MI 48879</b>
3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED  <b>at the address listed in Item #2 and at temporary job sites throughout the United States.</b>	4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION  <b>Robert Lee Andrews, Jr.</b>  TELEPHONE NUMBER <b>989-224-2642</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.
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 <b>3P</b> AMOUNT ENCLOSED <b>\$ 1,300.00</b>
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 <b>Robert Lee Andrews, Jr. President</b>	SIGNATURE  DATE <b>12-8-11</b>
<b>FOR NRC USE ONLY</b>	
TYPE OF FEE FEE LOG FEE CATEGORY AMOUNT RECEIVED \$ CHECK NUMBER COMMENTS	APPROVED BY DATE

811 W. STATE ST.  
ST. JOHNS, MI 48879



ROBERT L. ANDREWS, JR.  
PRESIDENT

OFFICE: 989-224-2642  
FAX: 989-224-3455

ITEM #5 - RADIOACTIVE MATERIAL

a. <u>Radioisotope</u>	b. <u>Form</u>	c. <u>Drawing #</u>	d. <u>Maximum Amount</u>
A. Cs-137	Special Form	A-102112	Not to exceed 9mCi per source for up to seven sources.
B. Am241:Be	Special Form	A-102451	Not to exceed 44mCi per source for up to seven sources.

Both A & B are for use in Troxler Model 3400 series portable measuring gauges.

ITEM #6 - MATERIAL USE

Gauges will be used for the purpose described in their respective SSD Registration sheets, to measure physical properties of materials.

ITEM #7 - RADIATION SAFETY OFFICER

Mr. Robert L. Andrews, Jr., has been designated as company Radiation Safety Officer. A copy of his Troxler Nuclear Gauge Training Certificate is attached for your review. The duties of the Radiation Safety Office are specified in Item #10.

ITEM #8 - TRAINING OF GAUGE USERS

Each person that will operate a nuclear gauge will complete an approved nuclear gauge training course, read & understand radiation safety procedures, and be approved by our Radiation Safety Officer. Copies of each persons training certificate will be maintained on file.

ITEM #9 - FACILITIES & EQUIPMENT

No information need be submitted in response to this item as per NUREG-1556, Vol. 1, Rev. 1.

ITEM #10 - RADIATION SAFETY PROGRAM

- A. Mr. Robert Andrews has been designated as company Radiation Safety Officer and will assume the responsibilities and duties that include the following:
1. Will insure that all terms and conditions of the license are being met and that the information contained in the license is up-to-date.
  2. Maintain the records as required by the license and the regulations. These records shall include leak test records, personnel exposure records, and training certificates for all users.
  3. To insure that the equipment has been leak tested in the required timely manner and that the leak test is performed in the manner prescribed by the equipment manufacturer.
  4. Will insure that the equipment is properly secured against unauthorized removal at all times when not in use.

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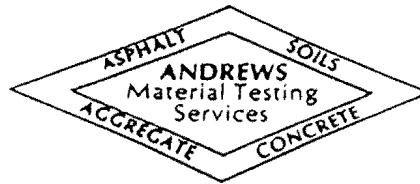
ROBERT L. ANDREWS, JR.  
PRESIDENT

ITEM #10 - RADIATION SAFETY PROGRAM - CONTINUED -

- A. 5. To insure that all users have read & understand the radiation safety operating & emergency procedures.
6. To insure that the use of the equipment is only by people that have been authorized by himself and that all users shall wear personal monitoring equipment when using the equipment.
7. To serve as a point of contact & give assistance in case of an emergency; such as equipment damaged in the file, in transport, or stolen and to contact the proper authorities in case of an emergency.
- B. Instruments
- We will either possess and use, or have access to and use, a radiation survey meter that meets the criteria of the section entitled 'Radiation Safety Program - Instruments' in NUREG-1556, Vol. 1, Rev. 1.
- C. Material Receipt and Accountability
- We will maintain records of receipt, transfer, and disposal of gauges; and conduct physical inventories at intervals not to exceed 6 months, or less, to account for all sealed sources.
- D. Transportation Procedures of Equipment Shall Include That:
1. The gauge will be transported in the approved, properly labeled carrying case.
  2. During transport, the operator shall have a properly completed Bill of Lading, copy of Source Certificate, copy of a Type A Package Certification, and Instruction manual for each gauge being transported.
  3. All possible means shall be provided to insure that the equipment is secured in the transporting vehicle and the equipment is away from the passenger compartment. When transporting in an enclosed vehicle, the vehicle shall be locked. When transporting in an open bed vehicle, the gauge shall be locked and securely fastened to the truck.
- E. Utilization Procedures of Equipment Shall Include That:
1. When the gauge is in the file, the authorized user must maintain control over the unit at all times & never leave the gauge unattended.
  2. When using the gauge, the operator will wear the personal monitoring device assigned to them. When not using the equipment, the operators' monitoring device shall be stored in a radiation free area that has been designated in the office.
  3. When not performing test in the field, the gauge should be placed in the approved transportation case & returned to the permanent storage area as soon as possible.
- F. Maintenance & Leak Test Procedures Shall Include:
1. Periodic cleaning of the gauge. During any maintenance the operators personal radiation monitoring device shall be worn.

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ITEM #10 - RADIATION SAFETY PROGRAM - CONTINUED -

- F. 2. The leak test shall be performed using the manufacturer's instructions and leak test equipment. Personal monitoring devices shall be worn while performing the test. Leak test on each gauge shall be performed at intervals not to exceed six (6) months.
- G. Emergency Procedures In The Event of Physical Damage To The Gauge Shall Be As Follows:
  - 1. Cordon off the area around the gauge. An area radius of fifteen (15') feet is a minimum.
  - 2. If the gauge is in transport, the vehicle must be stopped until the extent of damage to the gauge, if any, can be established.
  - 3. An examination of the gauge using a radiation survey meter will be performed to determine if the source housing and or shielding has been damaged.
  - 4. Contact the Radiation Safety Office (Bob Andrews) at the earliest possible time when the situation is under control. Describe the current condition of the gauge and follow the instructions of the Radiation Officer.
- H. Emergency Procedures In The Event A Gauge is Lost or Stollen:
  - 1. Notify the Radiation Safety Officer immediately.

ITEM #11 - WASTE MANAGEMENT

- A. Disposal of the gauge will be to transfer to another facility specifically licensed for the material; or returned tot the manufacturer of the gauge. Records of the transfer shall be maintained on file.

# TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

ROBERT LEE ANDREWS, JR.

of

STS CONSULTANTS, LTD.

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

## Gauge Operation

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

*Michael E. Gandy*  
INSTRUCTOR

1/20/83  
DATE

W.F. TROXLER  
PRESIDENT

**Nº 01199**

AMTS  
811 W. STATE  
ST. JOHNS, MI

48879



MATERIALS LICENSING BRANCH  
US NUCLEAR REGULATORY COMMISSION, REGION III  
2443 WARRENVILLE RD., SUITE 210  
LISLE, IL 60532-4352

