

# OFFICIAL RECORD COPY

## MATERIALS LICENSE

Amendment No. 6

DL-052496-07

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below, to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p style="text-align: center;">Licensee</p> <p>1. <b>Ambric Testing &amp; Engineering Associates of Virginia, Inc.</b></p> <p>2. <b>80 South Early Street, Lower Level Alexandria, Virginia 22304</b></p>	<p>In accordance with letter dated April 24, 1996</p> <p>3. License Number <b>45-15234-02</b></p> <p>is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration Date <b>February 28, 2004 (extended)</b></p> <hr/> <p>5. Docket or Reference No. <b>030-20172</b></p>
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6. Byproduct, Source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum Amount that Licensee May Possess at Any One Time Under This License
A. <b>Cesium 137</b>	A. <b>Sealed source registered pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation</b>	A. <b>No single source to exceed 407 MBq (11 millicuries)</b>
B. <b>Americium 241</b>	B. <b>Sealed neutron source registered pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation</b>	B. <b>No single source to exceed 3.7 GBq (100 millicuries)</b>

9. Authorized Use:

A. and B. **Sealed source(s) contained in compatible portable gauging devices (registered pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation) for measuring properties of materials.**

CONDITIONS

10. **Licensed material may be used at the licensee's facilities located at 80 South Early Street, Lower Level, Alexandria, Virginia and at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.**

11. **The Radiation Protection Officer for this license is Rosalinda Brown, or in his absence, Rony Avalos.**

110951

*Handwritten initials/signature*

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number 45-15234-02

Docket or Reference Number 750-20172

Amendment No. 6

## CONDITIONS

Continued

12. Licensed material shall be used by, or under the supervision and in the physical presence of, Rosalinda Brown, Rony Avalos, or individuals who have been trained in the licensee's standard operating and emergency procedures and have satisfactorily completed at least one of the following:
- A. The device manufacturer's training course for safe use and handling of portable gauging devices containing licensed material, or
  - B. A portable gauge training program conducted in accordance with the provisions of an NRC or Agreement State license.
13. Sealed sources containing licensed material shall not be opened or removed from the gauging device by the licensee.
14. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210.
- B. In the absence of a certificate from a transferor indicating that a leak test has been made within 6 months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- C. Sealed sources need not be leak tested if they contain not more than 100 microcuries of beta and/or gamma emitting material or 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 10 years without being tested for leakage and/or contamination.
- D. The leak test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(b)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U. S. Nuclear Regulatory Commission, Region II, Division of Nuclear Materials Safety, Nuclear Material Licensing/Inspection Branch, 101 Marietta Street, Suite 2900, Atlanta, Georgia 30323-0199. The report shall specify the source involved, the test results, and corrective action taken.
- E. The licensee is authorized to collect leak test samples for analysis by Troxler Electronic Laboratories, Inc.. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
15. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
16. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license.

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License Number 45-15234-02

Docket or Reference Number 45-20172

Amendment No. 6

(cont.)

CONDITIONS

- 17. The licensee shall maintain records of information important to safe and effective decommissioning at 80 South Early Street, Lower Level, Alexandria, Virginia pursuant to the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.
- 18. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum specified 10 CFR 30.35(d) for establishing decommissioning financial assurance.
- 19. 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.
- 20. Any cleaning, maintenance, or repair of the gauge(s) that requires removal of the source rod shall be performed only by the manufacturer or by other persons specifically licensed by the Commission or an Agreement State to perform such services.
- 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 Nuclear Regulatory Commission's regulations shall govern, unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.
  - A. Applications dated:
    - (1) November 16, 1988 (personnel monitoring, sealed source leak test procedure, device physical security and storage)
    - (2) November 3, 1993 (renewal application, personnel changes)
  - B. Letter received November 21, 1994 [add users]
  - C. Letters dated:
    - December 1, 1994 [change location]
    - December 13, 1994 [Clarification of user qualifications]
    - December 20, 1994 [delete users, change RSOs]
    - April 24, 1996 [change RSO]
    - Expiration date extended pursuant to 10 CFR 30.36 [See NRC letter dated March 1, 1996]

FOR THE U. S. NUCLEAR REGULATORY COMMISSION

EARL G. WRIGHT

Date MAY 24 1996

By Earl G. Wright  
Region II, Division of Nuclear Materials Safety  
101 Marietta Street, Suite 2900  
Atlanta, GA 30323



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
101 MARIETTA STREET, N.W., SUITE 2900  
ATLANTA, GEORGIA 30323-0190

MAY 28 1996

INFORMATION FOR NRC MATERIAL LICENSEES

Please find enclosed: \_\_\_\_\_ Your NRC material license  
                           Amendment to your NRC material license  
                          \_\_\_\_\_ Amendment renewing your NRC material license  
                          \_\_\_\_\_ Amendment terminating your NRC material license  
                          \_\_\_\_\_ Notice for Radiographer Quality Assurance Approval Program

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify this office (ATTN: Ms. Diane Heim at (404) 331-4673) so that we can provide appropriate corrections and answers.

Please be advised that your license expires at the end of the day in the month and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR 19, "Notice, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Not possess and use materials authorized in Items 6, 7, and 8, on the license until:
  - a. you have constructed the facilities and obtained the equipment described in the license application and supporting documentation; and
  - b. you have notified the U. S. Nuclear Regulatory Commission, Region II, ATTN: Materials Licensing/Inspection Branch, in writing, that activities authorized by the license will be initiated.
  - c. you have submitted & certified implementation of a Quality Management Program (10 CFR 35.32) for radiotherapy, or for administering >30 uCi of I-125 or I-131.
3. Notify NRC, in writing, within 30 days:
  - a. when an authorized user, Radiation Safety Officer, or Teletherapy Physicist permanently discontinues performance of duties under the license or has a name change; or
  - b. when the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same).
4. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license:
  - a. when you decide to terminate all activities involving materials authorized under the license; or
  - b. if you decide not to complete the facility, acquire equipment, or possess and use authorized material.

5. Request and obtain a license amendment before you:
- a. receive or use byproduct material for a clinical procedure permitted under Part 35 but not permitted by your license issued pursuant to this part.
  - b. permit anyone, not authorized under 10 CFR 35, Subpart J, to work as an authorized user under a license for medical use of byproduct material.
  - c. permit anyone, not authorized under 10 CFR 35, Subpart J, to work as a Radiation Safety Officer, Teletherapy Physicist, or Nuclear Pharmacist, under a license for medical use of byproduct material.
  - d. order byproduct material in excess of the amount, or a different radionuclide or form, other than authorized on the license;
  - e. add or change the areas of use or address (or addresses) of use identified in the license application or on the license; or
  - f. change ownership of your organization.
6. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. Transfer of licensed materials must be consistent with 10 CFR 30.41, 40.51 or 70.42, as applicable. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a Notice of Violation, or imposition of a Civil Penalty, or an order suspending, modifying or revoking your license as specified in the "General Statement of Policy and Procedures for NRC Enforcement Actions," NUREG-1600, (7/95). Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken against those who do not achieve the necessary attention to detail and standard of compliance expected of licensees.

Thank you for your cooperation.

**Enclosures:**

1. NRC License
2. Category Marked Below for:
  - New licenses: NUREG-1600 (7/95); 19; 20; 30; 40 or 70, as appropriate; 71; 170; NRC Form 3; Agreement State list; and NRC Form 313.
  - New radiography licenses: Parts 34; 150.
  - New medical and teletherapy licenses: Part 35.
  - Amendments and renewals: NRC Form 313.

(FOR LFMS USE)  
INFORMATION FROM LTS

1995 FEB -7 AM 7:07

Program Code: 03121  
Status Code: 0  
Fee Category: 3P  
Exp. Date: 2004-02-28  
Fee Comments:  
Decom Fin Assur Reqd: N

BETWEEN:  
License Fee Management Branch, ARM  
and  
Regional Licensing Sections

LICENSE FEE TRANSMITTAL

A. REGION II

1. APPLICATION ATTACHED  
Applicant/Licensee: AMBRIC TESTING & ENGINEERING ASSOC.  
Received Date: 960429

Docket No.: 3020172  
Control No.: 257048  
License No.: 45-15234-02  
Action Type: Amendment

2. FEE ATTACHED  
Amount: 500  
Check No.: 02762

3. COMMENTS

Signed: Signy D. Hanna  
Date: 4/24/96

8. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / )

1. Fee Category and Amount: 3P 500

2. Correct Fee Paid. Application may be processed for:

Amendment \_\_\_\_\_  
Renewal \_\_\_\_\_  
License \_\_\_\_\_

3. OTHER \_\_\_\_\_

Signed: Signy D. Hanna  
Date: 4/24/96

LOG	_____
Remitter	_____
Check No.	_____
Amount	_____
Fee Category	3P
Type of Fee	_____
Date Check Recd.	4/24/96
Date Completed	4/24/96
By:	_____