

**RADIOACTIVE MATERIALS SECTION
DIVISION OF RADIATION PROTECTION
N.C. DEPARTMENT OF ENVIRONMENT, HEALTH
AND NATURAL RESOURCES
RADIOACTIVE MATERIALS LICENSE**

Pursuant to North Carolina Regulations for Protection Against Radiation and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess, transfer and import radioactivematerials listed below; and 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 North Carolina Department of Environment, Health, and Natural Resources now or hereafter in effect and to any conditions specified below.

<p style="text-align: center;">Licensee</p> <p>1. Name: Triad Nondestructive Testing, Inc.</p> <p>2a. Mailing Address: P.O. Box 2342 Kernersville, NC 27285-2342</p> <p>b. Physical Address: 233-B Industrial Way Drive Kernersville, NC 27284</p>	<p>3. License No.: 034-0916-1</p> <hr/> <p>4. Expiration Date: January 31, 2002</p> <hr/> <p style="text-align: center;">AMENDS IN ITS ENTIRETY</p> <p>5. Amendment No. 7</p>
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6. Radioactive Material (element and mass no.)	7. Chemical and/or Physical Form	8. Maximum Amount of Radioactivity and/or Quantity of Radioactive Material which Licensee may Possess at any one time.
A. Iridium 192	A. Sealed Source (Amersham Model A-424-9)	A. No single source to exceed 140 curies
B. Cobalt 60	B. Sealed Source (Amersham Model A-424-14)	B. No single source to exceed 110 curies
C. Cobalt 60	C. Sealed Source (Amersham Model A-424-18)	C. No single source to exceed 33 curies

- 9. Authorized Use:**
1. To be used in an Amersham Model 660B exposure device for industrial radiography. Source exchanges may be performed with either an Amersham Model 650L, Amersham Model 820 or Amersham Model 855 source changer.
 2. To be used in an Amersham Model 680 exposure device for industrial radiography.
 3. To be used in an Amersham Model 741 exposure device for industrial radiography.

CONDITIONS

- 0A. The authorized place of receipt and storage of radioactive material is the licensee's address stated in Item 2b. above,
- B. Radioactive materials may also be used at temporary jobsites of the licensee throughout the State of North Carolina in areas not under exclusive Federal jurisdiction (Federal installations such as military bases, VA hospitals, etc). Authorization for the use of radioactive materials at temporary jobsites under exclusive Federal jurisdiction shall be obtained either by (1) filing an NRC Form 241 [10 CFR 150.20(b)], or (2) applying for reciprocity, or (3) applying for a specific license from the NRC if the length of the job is to exceed six (6) months.
- C. The North Carolina Division of Radiation Protection Radioactive Materials Section shall be notified of the location(s) of temporary jobsites within North Carolina, except those under Federal jurisdiction, no later than three (3) days prior to the first day of use. If the 3-day notification would impose a hardship on the licensee, the licensee may, upon application to the agency, obtain permission to proceed sooner for a specific job.

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Supplementary Sheet

Conditions (continued):

- 10D. This condition does not prohibit the use of radioactive materials in other states; however, before radioactive material can be used at a temporary jobsite in another state, authorization must be obtained from the State, if it is an Agreement State, or from the Nuclear Regulatory Commission for any non-Agreement State, either by filing for reciprocity or applying for a specific license.
11. The licensee shall comply with the provisions of 15A NCAC 11 .1600, "Standards for Protection Against Radiation," and 15A NCAC 11 .1000, "Notices, Instructions, Reports and Inspections." (The North Carolina Regulations for Protection Against Radiation are contained in 15A NCAC 11.)
- 12A. The individuals listed below are the only persons authorized by this license to act as radiographers and radiographers' assistants as defined in 15A NCAC 11 .0502 :
- | <u>Radiographers</u> | <u>Asst. Radiographers</u> |
|----------------------|----------------------------|
| L. Leroy Spangler | |
| Dan Stowe | |
| Jan Anthony Blaylock | |
| Carroll Amick | |
- B. The Radiation Safety Officer for the activities authorized by this license shall be L. Leroy Spangler.
13. The licensee is authorized to receive, possess and use sealed sources of Iridium 192 or Cobalt 60 where the radioactivity exceeds the maximum amount of radioactivity specified in Item 8 of this license provided:
- A. Such possession does not exceed the quantity per source specified in Item 8 by more than 20% for Iridium 192 or 10% for Cobalt 60;
- B. Records of the licensee show that no more than the maximum amount of radioactivity per source specified in Item 8 of the license was ordered from the supplier or transferor of the radioactive material; and
- C. The levels of radiation for radiographic exposure devices and storage containers do not exceed those specified in 15A NCAC 11 .0503.
14. The licensee is authorized to possess, use and transfer up to 1000 pounds of Uranium contained as shielding material in the radiography exposure devices authorized by this license.
15. Sealed sources of radioactive material shall not be combined for use in open air techniques to produce a radiation level in excess of the level produced by the largest single source authorized by this license for open air use.
16. The licensee shall not transfer possession and/or control of materials or products containing radioactive material as a contaminant except:
- A. By transfer of waste to an authorized recipient;
- B. By transfer to a specifically licensed recipient; or
- C. As provided otherwise by specific condition of this license pursuant to the requirements of 15 NCAC 11 .1628.

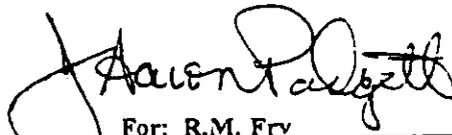
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Conditions (continued):

17. Maintenance, repair, and initial radiation survey of devices containing radioactive material, and leak testing, installation, replacement, and disposal of sealed sources containing radioactive material used in devices shall be performed only by the licensee, or by other persons specifically authorized by the Agency to perform such services.
- 18A. Pursuant to 15A NCAC 11 .0507, the licensee is authorized to perform tests for leakage or contamination of the sealed sources authorized by this license, or tests may be performed by other persons specifically authorized by this Agency to perform such services.
 - B. Notwithstanding the periodic leak test required by 15A NCAC 11 .0507, such requirement does not apply to radiography sources that are stored and not being used. The sources exempted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six (6) months prior to the date of use or transfer.
9. The licensee shall conduct a program for inspection and maintenance of radiography exposure devices and storage containers to assure proper functioning of components important to safety. The inspection and maintenance program shall be conducted at intervals not to exceed three (3) months. Records of the results shall be maintained for inspection by the Agency.
10. The licensee may transport licensed material or deliver licensed material to a carrier for transport, in accordance with the provisions of Section 71.5, Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Material For Transport."
11. The licensee shall ensure that no individual "member of the public" receives a radiation dose in excess of the limits specified in 15A NCAC 11 .1611(a) while conducting licensed operations.
12. In addition to the possession limits in Item 8 above, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 15A NCAC 11 .0353 for establishing decommissioning financial assurance.
13. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Items 6, 7 and 8 of this license in accordance with statements, representations and procedures contained in:
 - A. Application with attachments dated December 31, 1996, signed by Mary W. Spangler, President; letter with attachments dated March 28, 1997, signed by L. Leroy Spanger, R.S.O. and Mary W. Spangler, President; and, letter with attachments dated May 8, 1997, signed by L. Leroy Spangler, R.S.O

Date of Issuance: May 23, 1997


For: R.M. Fry
Director, Division of Radiation Protection
