

MATERIALS LICENSE

Amendment No. 5

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.

DL-050195-03

<p>Licensee</p> <p>1. Tri State Associates, Inc.</p> <p>2. P. O. Box 173 Hartwood, Virginia 22471</p>	<p>In accordance with the letter dated March 30, 1995</p> <p>3. License Number 45-24967-01 is amended in its entirety to read as follows:</p> <p>4. Expiration Date August 31, 1998</p> <p>5. Docket or Reference No. 030-30391</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. Iridium 192	A. Sealed radiography source contained in a source assembly registered pursuant to 10 CFR 32.210 or an equivalent Agreement State Regulation (See Condition No. 13)	A. Not to exceed 7.4 TBq (200 curies) per source, nor exceed the maximum permitted by the registration pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation (See Condition No. 14)
B. Cobalt 60	B. Sealed radiography source contained in a source assembly registered pursuant to 10 CFR 32.210 or an equivalent Agreement State Regulation (See Condition 13)	B. Not to exceed 3.7 TBq (100 curies) per source, nor exceed the maximum permitted by the registration pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation (See Condition No. 14)
C. Cesium 137	C. Sealed sources (Amersham/Tech Ops Model 77302)	C. Not to exceed 5.92 GBq (165 millicuries)

9. Authorized Use:

A. and B. For use in a compatible gamma radiography exposure device registered pursuant to 10 CFR 32.210 or an equivalent Agreement State Regulation for performing industrial radiography and in a compatible source changer (shipping container) registered pursuant to 10 CFR 32.210 or an equivalent Agreement State Regulation for source storage and exchange.

C. For possession and use in an Amersham/Tech Ops Model 773 calibrator for instrument calibration.

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

45-24967-01

Docket or Reference Number

030-30391

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CONDITIONS

10. Licensed material shall be used only 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; except that, when licensed material is no longer required at a temporary job site, the licensee shall promptly transfer and store the material at its primary storage location at 15 Skyline Drive, Hartwood, Virginia. (NOTE: this does not prohibit the use of licensed material in Agreement States under the provisions of the State's regulations.)
11. The Radiation Safety Officer (RSO) for this license is John B. Davis, Consultant RSO or in his absence Neil DeJarnette, site RSO.
12. Licensed material shall be used by, or under the supervision and in the physical presence of individuals who have been trained in the licensee's standard operating and emergency procedures and have satisfactorily completed at least one of the following to meet the requirements of 10 CFR 34.31:
- A. The licensee's in-house training program specified in the application dated January 18, 1988, or
 - B. The source or device manufacturer's training course for safe use and handling of radiography sources and devices containing licensed material, or
 - C. A radiography training program conducted in accordance with the provisions of an NRC or an Agreement State license, or American Society for Non-Destructive Testing, Inc. (ASNT) as stated in §34.34.11(b)(5).
- The licensee shall maintain records of individual designated as users and their training, for five years following the last use of licensed material by the individual.
13. All newly manufactured radiographic exposure devices and associated equipment acquired after January 10, 1992 shall comply with the requirements of 10 CFR 34.20. The licensee shall maintain records to verify compliance with this Section of the NRC's Regulations. All radiographic exposure devices and associated equipment in use after January 10, 1996 must comply with this Section.
14. 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 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 this license was ordered from the supplier or transferor of the byproduct material; and
 - C. The levels of radiation for radiographic exposure devices and storage containers do not exceed those specified in 10 CFR 34.21.
15. A. Notwithstanding the periodic leak test required by of Section 34.25(b) of 10 CFR Part 34, such requirement does not apply to radiography sources that are stored and not being used. The sources excepted from this test shall be tested for leakage before use, before transfer to another person, and at intervals not to exceed 10 years.
- B. Sealed sources authorized for a use other than radiography shall be tested as radiography sources in accordance with 10 CFR Part 34.25.

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CONDITIONS

Continued-

16. Pursuant to 10 CFR 40, "Domestic Licensing of Source Material," the licensee is authorized to possess, use, transfer, and import up to 999 kilograms of uranium contained as shielding material in the radiography exposure devices and source changes authorized by this license.
17. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
18. Sealed sources containing licensed material shall not be opened by the licensee.
19. A. The licensee shall maintain records of information important to safe and effective decommissioning at 15 Skyline Drive, Hartwood, Virginia 22406, pursuant to the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.
- B. In addition the licensee shall maintain all other records and reports required by 10 CFR 19, 20, 30 and 34 and the terms and conditions of this license, at each of the licensee's temporary job sites.
20. In addition to the possession limits in Item 8 and Condition 14, 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.
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) January 18, 1988 [includes training program]
(2) January 26, 1993 [renewal]
- B. Letters dated: (1) January 27, 1992 [description and layout of storage facility]
(2) March 30, 1995 [Requests the naming of a consultant as RSO]
(3) April 28, 1995 [Qualifications of site RSO]

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

EARL G. WRIGHT

DATE

MAY 01 1995

BY

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