

**OFFICIAL RECORD COPY**  
**CORRECTED COPY**

**MATERIALS LICENSE**

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. Department of the Interior USGS, Water Resources Division</p> <p>2. Stephenson Center, Suite 129 720 Gracern Road Columbia, South Carolina 29210-7651</p>	<p>In accordance with application dated October 22, 1996</p> <p>3. License Number 39-25372-01</p> <hr/> <p>4. Expiration Date March 31, 2007</p> <hr/> <p>5. Docket or Reference No. 030-34267.</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. Carbon 14	A. Any form	A. 1.85 Gigabecquerels (50 millicuries)
B. Nickel 63	B. Sealed or plated sources	B. 1.11 Gigabecquerels (30 millicuries)

9. Authorized Use:

- A. For use in laboratory tracer studies and molecular biology procedures.
- B. For use in gas chromatographs for sample analysis.

**CONDITIONS**

- 10. Licensed material shall be used only at the licensee's facility located at Stephenson Center, Suite 129, 720 Gracern Road, Columbia, South Carolina.
- 11. The Radiation Protection Officer for the activities authorized by this license is Francis H. Chapelle, Ph.D., and in his absence, Paul M. Bradley, Ph.D, Assistant Radiation Protection Officer.
- 12. Authorized Users:
  - A. Francis H. Chapelle, Ph.D.
  - B. Paul M. Bradley, Ph.D.
  - C. James E. Landmeyer, Ph.D.

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NMSS/RGNI MATERIALS-001

License Number	39-25372-01
Docket or Reference Number	030-34267

**MATERIALS LICENSE  
CORRECTED COPY SUPPLEMENTARY SHEET**

(Continued) CONDITIONS

- 13. The licensee shall not use licensed material in or on human beings or in field applications where activity is released except as provided otherwise by specific condition of this license.
- 14. The licensee shall conduct a physical inventory at intervals not to exceed 6 months to account for all material received and possessed under the license.
- 15. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
- 16. This license does not authorize commercial distribution of licensed material to persons generally licensed pursuant to 10 CFR Part 31 or to persons exempt from licensing pursuant to 10 CFR 30.18.
- 17. 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.
- 18. The licensee shall maintain records of information important to safe and effective decommissioning at the location specified in Condition 10 in accordance with the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.
- 19. 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. Application dated: October 22, 1996
  - B. Letters dated:
    - 1) March 6, 1997 [Additional information regarding application to include deletion of a requested Authorized User; and Copy of Radiation Safety Manual]
    - 2) March 14, 1997 [Additional information regarding application to include survey instrument calibration frequency, survey trigger levels, and leak tests and inventory frequencies]

FOR THE U. S. NUCLEAR REGULATORY COMMISSION

EARL G. WRIGHT

Date APR 03 1997

By Earl G. Wright  
 Region II, Division of Nuclear Materials Safety  
 101 Marietta Street, N.W., Suite 2900  
 Atlanta, Georgia 30323-0199

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