



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION III  
801 WARRENVILLE ROAD  
LISLE, ILLINOIS 60532-4351

AUG 26 2003

Rock Island Arsenal  
Department of the Army  
ATTN: SOSRI-XC (Alan G. Wilson)  
Building 90  
Rock Island, IL 61299-5000

Dear Mr. Wilson:

Enclosed is Amendment No. 02 to your NRC Material License No. 12-00722-15 in accordance with your request. Please note that the changes made to your license are printed in **bold** font.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 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 Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Notify NRC, in writing, within 30 days:
  - a. When the Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or
  - b. When the mailing address listed on the license changes.
3. 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.
4. Request and obtain a license amendment before you:
  - a. Change Radiation Safety Officers;
  - b. Order byproduct material in excess of the amount, or radionuclide, or form

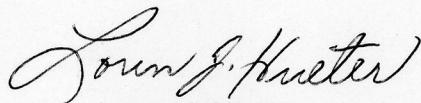
different than authorized on the license;

- c. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or
  - d. Change ownership of your organization.
5. Submit a complete renewal application 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. 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 Procedure for NRC Enforcement Actions. 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 when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,



Loren J. Hueter  
Materials Licensing Branch

License No. 12-00722-15  
Docket No. 030-36094

Enclosure: Amendment No. 02

**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.

Licensee  1. Department of the Army  2. 1 Rock Island Arsenal SOSRI-CO Building 210, Rodman Avenue Rock Island, IL 61299-5000	In accordance with the application dated <b>May 15, 2003,</b> 3. License number 12-00722-15 is amended in its entirety to read as follows: 4. Expiration date August 31, 2012 5. Docket No. 030-36094 Reference No.
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6. Byproduct, source, and/or special nuclear material  A. Hydrogen-3  B. Americium-241  C. Promethium-147  D. Cesium-137  E. Nickel-63  F. Krypton-85  G. Cobalt-60  H. Thorium-232/230	7. Chemical and/or physical form  A. As described in Item 5. of license application dated April 10, 2002. B. As described in Item 5. of license application dated April 10, 2002. C. As described in Item 5. of license application dated April 10, 2002. D. As described in Item 5. of license application dated April 10, 2002. E. As described in Item 5. of license application dated April 10, 2002 and letter dated September 12, 2002. F. As described in Item 5. of license application dated April 10, 2002. G. As described in Item 5. of license application dated April 10, 2002. H. As described in Item 5. of license application dated April 10, 2002.	8. Maximum amount that licensee may possess at any one time under this license  A. 5,200 curies, additionally see License Conditions 13 and 14. B. 0.5 curies, additionally see License Conditions 13 and 14. C. 50 curies, additionally see License Conditions 13 and 14. D. 250 curies, additionally see License Conditions 13 and 14. E. 500 curies, additionally see License Conditions 13 and 14. F. 50 curies, additionally see License Conditions 13 and 14. G. 100 curies, additionally see License Conditions 13 and 14. H. 100 curies, additionally see License Conditions 13 and 14.
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**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
12-00722-15

Docket or Reference Number  
030-36094

Amendment No. 02

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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                                   |
| I. Lead-210   | I. As described in Item 5. of license application dated April 10, 2002. | I. 1 curie, additionally see License Conditions 13 and 14.   |
| J. Strontium-90   | J. As described in Item 5. of license application dated April 10, 2002. | J. 20 curies, additionally see License Conditions 13 and 14.   |
| K. Carbon-14  | K. As described in Item 5. of license application dated April 10, 2002. | K. 50 curies, additionally see License Conditions 13 and 14.   |
| L. Source material:<br>a. Uranium depleted<br>Uranium-235<br>b. Thorium-232 | L. As described in Item 5. of license application dated April 10, 2002. | L. 10,000 kilograms, additionally see License Conditions 13 and 14.  |
| M. Special Nuclear Material   | M. Plated calibration check sources.                                    | M. no single source to exceed 10 microcuries and 200 grams total, additionally see License Conditions 13 and 14. |
9. Authorized use:
- A. through M. Possession incident to recycle, volume reduction, and storage pending disposal, as described in Application dated April 10, 2002.

CONDITIONS

10. Licensed material shall be possessed, processed and stored at the licensee's facilities located at the U.S. Army Contaminated Equipment Retrograde Field Service Facility, Rock Island Arsenal, Beck Lane, Building 170, Rock Island, Illinois.
11. Licensed material shall be used by or under the supervision of Thomas G. Gizicki, Ronald J. Lund, David R. Horton **Paul Grooms, Kelly Crooks, Mike Styvaert, Judy Woodson or William Metcalf.**
12. A. The Radiation Safety Officer (RSO) for this license is **Ronald J. Lund.**
- B. The Alternate Radiation Safety Officer (ARSO) for this license is **Curtis N. Morehead.**

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13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the limits specified in 10 CFR 30.72 which require consideration of the need for an emergency plan for responding to a release of licensed material.
14. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material in unsealed sources, to quantities equal to or less than  $1 \times 10^4$  times the applicable limits in Appendix B, 10 CFR Part 30 as specified in 10 CFR 30.35(d).
15. The licensee shall maintain an inventory record system, for all radioactive material possessed at the facility, as described in Section 11, Appendix E, of License Application dated April 10, 2002.
16. Sealed sources containing licensed material shall not be opened by the licensee.
17. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
18. The licensee shall maintain records of information related to decommissioning as specified in 10 CFR 30.35(g), 40.36(f) or 70.25(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 U.S. 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 April 10, 2002, September 15, 2002 and **May 15, 2003**; and
- B. Letters dated April 10, 2002, August 8, 2002, September 12, 2002 and **May 16, 2003 (with enclosures) and August 15, 2003 (with enclosure)**.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date     **AUG 26 2003**    

By     *Loren J. Hueter*      
Loren J. Hueter  
Materials Licensing Branch  
Region III