



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137-5927

RECEIVED DEC 10 1993
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Department of the Army
Headquarters, U.S. Army Armament,
Munitions and Chemical Command
ATTN: AMSMC-SF
Rock Island, IL 61299-6000

Gentlemen:

Enclosed is Amendment No. 18 to your NRC Material License No. 12-00722-07 in accordance with your request.

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 so that we can provide appropriate corrections and answers.

Please note that your original proposal of March 6, 1991, to secure the pile of earth containing the Pm-147 weapon sights for decay has been approved. Our Division of Low-Level Waste Management and Decommissioning has reviewed your request and has determined that the radiological impact of releasing this site would be minimal. Therefore, you may proceed with your plans to secure the pile site and let the Pm-147 decay to a nonradioactive state before release.

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. 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.

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Department of the Army

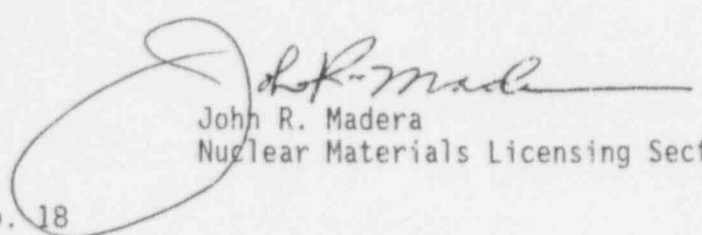
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3. Request and obtain a license amendment before you:
 - a. Change Radiation Safety Officers;
 - b. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;
 - c. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or
 - d. Change ownership of your organization.
4. 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. 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 Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C. 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,



John R. Madera
Nuclear Materials Licensing Section

Enclosure: Amendment No. 18

MATERIALS LICENSE

Amendment No. 18

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, 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
Headquarters, U.S. Army Armament,
Munitions and Chemical Command
2. ATTN: AMSMC-SF
Rock Island, IL 61299-6000

In accordance with letter dated
March 6, 1991
3. License number 12-00722-07 is amended
in its entirety as follows:

4. Expiration date April 30, 1995

5. Docket or
Reference No 030-14796

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. Promethium-147

A. Radioactive material
as ceramic microspheres
(3M Company) sealed in
sights of military rocket
weapons systems

A. 10,000 curies
(No single
source to
exceed 3
millicuries)

9. Authorized Use:

- A. For receipt, possession, storage, transfer to authorized recipients within the Department of Defense, and use in the sighting mechanism of military rocket systems.

CONDITIONS

10. Licensed material may be used anywhere in the United States.
11. Licensed material shall be used by, or under the supervision of individuals who have completed the training outlined in application dated December 5, 1989 or letter dated January 23, 1990, and have been appointed by the depot Radiation Safety Officers. The licensee shall maintain records of the individuals who have been designated as authorized users.
12. A. The Radiation Safety Officer for this license is David P. Skogman.
B. Alternate Radiation Safety Officers: Gavin Ziegler, Joyce Kuykendall.
13. The licensee shall maintain records of information important to safe and effective decommissioning at Department of the Army, Headquarters, U.S. Army Armament, Munitions and Chemical Command, Rock Island, Illinois per the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

12-00722-07

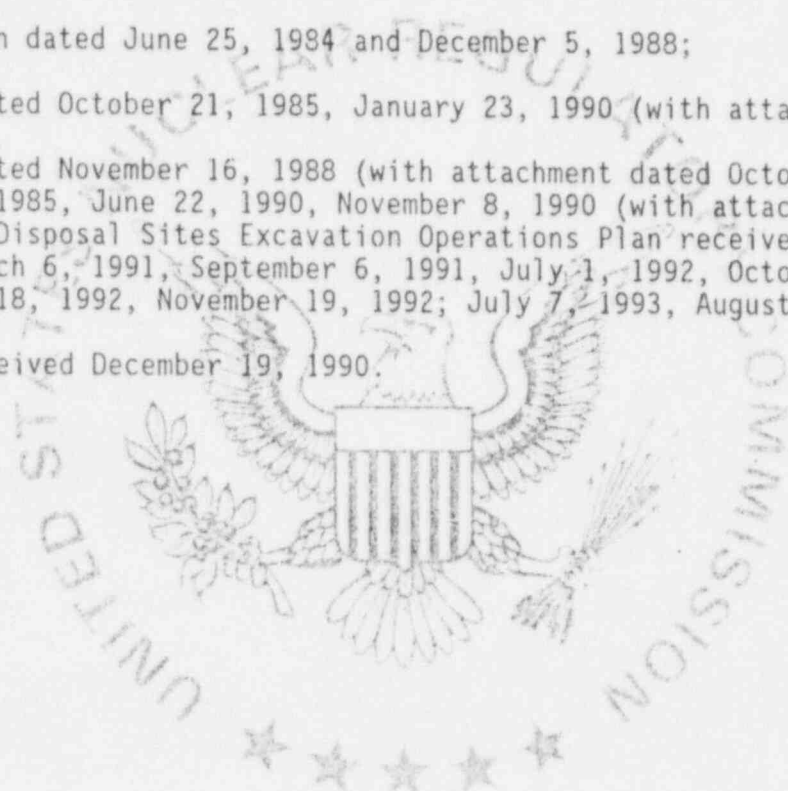
Docket or Reference number

030-14796

Amendment No. 18

14. 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. Application dated June 25, 1984 and December 5, 1988;
- B. Letters dated October 21, 1985, January 23, 1990 (with attachment);
- C. Letters dated November 16, 1988 (with attachment dated October 20, 1988), April 19, 1985, June 22, 1990, November 8, 1990 (with attached Ft. Bragg, North Carolina, Disposal Sites Excavation Operations Plan received November 27, 1990), March 6, 1991, September 6, 1991, July 1, 1992, October 28, 1992, September 18, 1992, November 19, 1992; July 7, 1993, August 19, 1993; and
- D. Letter received December 19, 1990.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date 11/29/93

By

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Materials Licensing Section, Region III