



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

December 5, 2006

Docket No. 03001748
Control No. 139675

License No. 16-03657-01

CPT Joshua M. Sperry
Radiation Safety Officer/Chief, Health Physics
Department of the Army
USA MEDDAC
Ireland Army Community Hospital
Building 51, Ireland Loop Road
Fort Knox, KY 40121-5520

SUBJECT: DEPARTMENT OF THE ARMY, LICENSE AMENDMENT, CONTROL NO.
139675

Dear CPT Sperry:

This refers to your license amendment request. Enclosed with this letter is the amended license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5239, so that we can provide appropriate corrections and answers.

An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14).

Current NRC regulations and guidance are included on the NRC's website at www.nrc.gov; select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material**; then **Toolkit Index Page**. Or you may obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 8:00 p.m. EST, Monday through Friday (except Federal holidays).

Thank you for your cooperation.

Sincerely,

Original signed by Richard McKinley

Richard McKinley
Health Physicist
Medical Branch
Division of Nuclear Materials Safety

Enclosure:
Amendment No. 61

DOCUMENT NAME: C:\FileNet\ML063390401.wpd

SUNSI Review Complete: RMcKinley

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NAME	RMcKinley/RWM						
DATE	12/5/2006						

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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 Army USA MEDDAC (Ireland Army Community Hospital) 2. Building 851, Ireland Loop Road Fort Knox, Kentucky 40121-5520</p>	<p>In accordance with the letter dated October 20, 2006,</p> <p>3. License number 16-03657-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date: March 31, 2015</p> <hr/> <p>5. Docket No. 030-01748 Reference No.</p>
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| <p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material permitted by 10 CFR 35.100</p> <p>B. Any byproduct material permitted by 10 CFR 35.200</p> <p>C. Iodine-131 permitted by 10 CFR 35.300</p> <p>D. Any byproduct material permitted by 10 CFR 35.500</p> <p>E. Any byproduct material permitted by 10 CFR 31.11</p> | <p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Any</p> <p>D. Sealed sources (North Amer. Sci. Model MED 3601; DuPont Merck Model NES-8412; Isotope Products Laboratories, Inc. Model A3410)</p> <p>E. Prepackaged Kits</p> | <p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. As needed</p> <p>B. As needed</p> <p>C. 1.5 curies</p> <p>D. 300 millicuries per source and 1.5 curies total</p> <p>E. 5 millicuries</p> |
|---|---|--|

9. Authorized use:
- A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.
 - B. Any imaging and localization study permitted by 10 CFR 35.200.
 - C. Any sodium iodide iodine-131 use permitted by 10 CFR 35.300 in quantities less than or equal to 33 millicuries.
 - D. Diagnostic medical use of sealed sources permitted by 10 CFR 35.500 in compatible devices registered pursuant to 10 CFR 30.32(g).
 - E. In vitro studies.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

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CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at USA MEDDAC (Ireland Army Community Hospital), Buildings 851 and 1070, Ireland Loop Road, Fort Knox, Kentucky.
11. The Radiation Safety Officer for this license is CPT Joshua M. Sperry.
12. Licensed material is only authorized for use by, or under the supervision of:
- A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 35.14.
- B. The following individuals are authorized users for medical use as indicated:
- | <u>Authorized Users</u> | <u>Material and Use</u> |
|---------------------------------|--|
| MAJ Thomas P. Eberle, Jr., M.D. | 35.100; 35.200; 31.11 |
| LTC Kevin C. Reilly, M.D. | 35.100; 35.200; Oral administration of sodium iodide iodine-131 for imaging and localization studies and treatment of hyperthyroidism and cardiac dysfunction; 35.500; 31.11 |
13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

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15. 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. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for in 10 CFR 35.26. 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. Letter dated November 9, 2004 [ML 050110347]
- B. Letter dated January 24, 2005 [ML 050380053]



For the U.S. Nuclear Regulatory Commission

Date December 5, 2006

By

Original signed by Richard McKinley

Richard McKinley
Medical Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 194061415