

**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 Ireland Community Hospital</p> <p>2. 289 Ireland Avenue Fort Knox, Kentucky 40121-5111</p>	<p>In accordance with the letter dated December 16, 2015,</p> <p>3. License number 16-03657-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date July 31, 2025</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 American Scientific Model 3601, DuPont Merk Model NES 8412, Isotope Products Laboratories, Inc. Model A3410, or equivalent)</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. 1500 millicuries</p> <p>D. 300 millicuries per source and 1500 millicuries total</p> <p>E. 200 microcuries</p> |
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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 iodine-131 diagnostic study or therapy procedure permitted by 10 CFR 35.300.
- 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.

CONDITIONS

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
16-03657-01

Docket or Reference Number  
030-01748

Amendment No. 71

10. Licensed material may be used or stored only at the licensee's facilities located at Ireland Army Community Hospital, 289 Ireland Avenue, Fort Knox, Kentucky.
11. The Radiation Safety Officer for this license is CPT Jose H. Rodriguez.
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 Aimee Wilson, M.D.     | 35.100; 35.200; Oral administration of sodium iodide iodine-131; <u>In vitro</u> studies.         |
| MAJ Tina Masceranhas, D.O. | 35.100; 35.200; Oral administration of sodium iodide iodine-131; 35.500; <u>In vitro</u> studies. |
| Tyrone L. Daniels, M.D.    | 35.100; 35.200; <u>In vitro</u> studies.  |
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. Application dated May 26, 2015 [ML15166A060]  
B. Letter dated December 16, 2015 [ML16011A132]



For the U.S. Nuclear Regulatory Commission

Date January 19, 2016

By

***Original signed by Penny Lanzisera***

Penny Lanzisera  
Medical Branch  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406