

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.

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Licensee:

- 1. Mercy Memorial Hospital
- 2. 718 North Macomb Street  
Monroe, MI 48161

In accordance with the application dated July 15, 2011,

3. License number 21-18816-01 is renewed in its entirety to read as follows:

4. Expiration date November 30, 2021

5. Docket No. 030-14210  
Reference No.

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| <p>6. Byproduct, source, and/or special nuclear material</p> <ul style="list-style-type: none"> <li>A. Any byproduct material permitted by 10 CFR 35.100</li> <li>B. Any byproduct material permitted by 10 CFR 35.200</li> <li>C. Any byproduct material permitted by 10 CFR 35.300</li> <li>D. Any byproduct material permitted by 10 CFR 31.11</li> <li>E. Iodine-125 permitted by 10 CFR 35.400</li> <li>F. Palladium-103 permitted by 10 CFR 35.400</li> </ul> | <p>7. Chemical and/or physical form</p> <ul style="list-style-type: none"> <li>A. Any</li> <li>B. Any</li> <li>C. Any</li> <li>D. Prepackaged Kits</li> <li>E. Sealed Sources (Bard Brachytherapy Model STM 1251)</li> <li>F. Sealed Sources (International Brachytherapy SA Model OptiSeed 103 Mo. 1032p OptiStrand 103)</li> </ul> | <p>8. Maximum amount that licensee may possess at any one time under this license</p> <ul style="list-style-type: none"> <li>A. As needed</li> <li>B. As needed</li> <li>C. As needed (not to exceed 1 curie of iodine-131)</li> <li>D. 5 millicuries</li> <li>E. 500 millicuries</li> <li>F. 500 millicuries</li> </ul> |
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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 diagnostic study or therapy procedure permitted by 10 CFR 35.300.
- D. In vitro studies.
- E. and F. Any manual brachytherapy procedure permitted by 10 CFR 35.400.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
21-18816-01

Docket or Reference Number  
030-14210

Amendment No. 23

CONDITIONS

10. Licensed material may be used at the licensee's facilities located at 718 North Macomb Street, Monroe, Michigan.
11. The Radiation Safety Officer for this license is Michael Arsenault, D.O.
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:

Authorized Users

Material and Use

Michael Arsenault, D.O.

10 CFR 35.100, 35.200 and 35.300.

Bruno Borin, D.O.

10 CFR 35.100 and 35.200.

Reza Abghari, M.D.

10 CFR 35.100, 35.200 and 35.300.

Gerling Sauter, M.D.

10 CFR 35.100, 35.200 and 35.300.

Ronald C. Lutsic, D.O.

10 CFR 35.400.

Andre Konski, M.D.

10 CFR 35.400.

Steven R. Miller, M.D.

10 CFR 35.400.

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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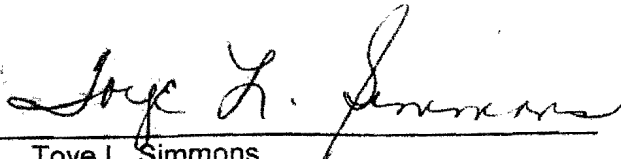
15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are 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 July 15, 2011.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date DEC 05 2011

By

  
Toye L. Simmons  
Materials Licensing Branch  
Region III