

**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. **St. Joseph Mercy Port Huron**
- 2. 2601 Electric Avenue  
Port Huron, MI 48060-6518

In accordance with letter dated **March 16, 2012,**

3. License number 21-15638-01 is amended in its entirety to read as follows:

4. Expiration date **September 30, 2014**

5. Docket No. **030-09491**  
Reference No.

- |  |   |   |
|--|---|---|
| <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 35.400</li> <li>E. Any byproduct material permitted by 10 CFR 31.11</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. Sealed Sources (IsoAid, L.L.C. Model IAI-125A, Bard, Inc. Model STM 1251, North American Scientific, Inc. Model MED 3631, Medi-Physics, Inc. Model 6733 and 6711, Best Medical, Model 2300 Series and 81-01 Series, IsoRay Model CS-1, AEA Technology, Model CDC.T1 and 3M Model 6500 Series)</li> <li>E. Prepackaged Kits</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. As needed, however, not to exceed 1 curie for cesium-137 and 500 millicuries for iridium-192</li> <li>E. 5 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.

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- C. Any diagnostic study or therapy procedure permitted by 10 CFR 35.300.
- D. Any manual brachytherapy procedure permitted by 10 CFR 35.400.
- E. In vitro studies.

CONDITIONS

10. A. Licensed material in **Subitem Nos. 6.A. through 6.E.** may be used or stored at the licensee's facilities located at **2601 Electric Avenue, Port Huron, Michigan.**
- B. Licensed material in **Subitem Nos. 6.A. through 6.C.** may also be used or stored at the licensee's facilities located at **Mercy Health Center, 4190 24th Avenue, Fort Gratiot, Michigan.**
11. The Radiation Safety Officer for this license is J. Charles Smith, M.S.
12. Licensed material is only authorized for use by, or under the supervision of:
- A. Individuals permitted to work as an authorized user or authorized medical physicist 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

Herminio Calderon, M.D.	10 CFR 35.100, 35.200, 35.300 and 31.11.
Kanu Bhaidas Dalal, M.D.	10 CFR 35.300 and 35.400.
Clare A. Scheurer, M.D.	10 CFR 35.100, 35.200, 35.300 (limited to iodine-131 for diagnostic studies) and 31.11.
Sushma Reddy, M. D	10 CFR 35.300 (limited to iodine-131).
Jose A. Carrion, M.D.	10 CFR 35.100, 35.200, 35.300 (limited to iodine-131 for diagnostic studies) and 31.11.
Fredrick Coop, M.D.	10 CFR 35.100, 35.200, 35.300 (limited to iodine-131 for diagnostic studies) and 31.11.
Kaneez B. Shaikh, M.D.	10 CFR 35.100, 35.200, 35.300 (limited to iodine-131 for diagnostic studies) and 31.11.
Hernan Tansuche, M.D.	10 CFR 35.100, 35.200, 35.300 (limited to iodine-131 for diagnostic studies) and 31.11.
John Ference, M.D.	10 CFR 35.100, 35.200 and 35.300 (limited to iodine-131 for diagnostic studies).

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Authorized Users

Daniel Kirk Shogren, M.D.

David Peterson Tracy, M.D.

Leopold Fregoli, M.D.

Edward Mauch, M.D.

Material and Use

10 CFR 35.100, 35.200 and 35.300 (limited to iodine-131 for diagnostic studies).

10 CFR 35.100, 35.200 and 35.300 (limited to iodine-131 for diagnostic studies).

10 CFR 35.100, 35.200 and 35.300 (limited to iodine-131 for diagnostic studies).

10 CFR 35.100, 35.200 and 35.300 (limited to the oral administration of sodium iodide I-131 in quantities less than or equal to 33 millicuries).

C. Authorized medical physicist: J. Charles Smith, M.S.

D. The following individual is an authorized user for non-medical uses as indicated:

Authorized Users

J. Charles Smith, M.S.

Material and Use

10 CFR 35.400 for calibration of the licensee's survey instrumentation.

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."

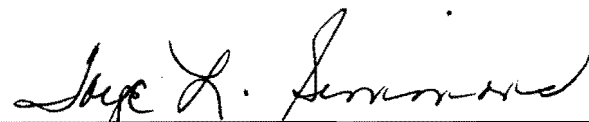
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15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license 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 March 12, 2004;
  - B. Letters dated February 16, 2006, August 10, 2006, and **March 16, 2012**; and
  - C. Facsimile letters dated August 17, 2004, and May 23, 2006.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date JUN 04 2012

By

Toye L. Simmons  
Materials Licensing Branch  
Region III