

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.

PC 02120

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<p>Licensee</p> <p>1. Howard Regional Health System</p> <p>2. 3500 S. La Fountain Street Kokomo, IN 46902</p>	<p>In accordance with letter dated July 27, 2006,</p> <p>3. License number 13-13028-02 is amended in its entirety to read as follows:</p> <p>4. Expiration date May 31, 2014</p> <p>5. Docket No. 030-13342 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. Any byproduct material permitted by 10 CFR 35.300</p> <p>D. Gadolinium-153</p> <p>E. Depleted uranium</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Any</p> <p>D. Sealed source (NEN Model NER 430)</p> <p>E. Cadmium plated metal</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. As needed (not to exceed 2 curies of iodine-131)</p> <p>D. 250 millicuries</p> <p>E. 999 kilograms</p>
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<p>9. Authorized Use:</p> <p>A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.</p> <p>B. Any imaging and localization study permitted by 10 CFR 35.200.</p> <p>C. Any diagnostic study or therapy procedure permitted by 10 CFR 35.300.</p> <p>D. For storage only incident to disposal.</p> <p>E. Shielding in a linear accelerator.</p>

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 3500 South La Fountain Street, Kokomo, Indiana.

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11. **Radiation Safety Officer for this license is Rik Stephens, M.D.**

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 uses:

<u>Authorized User</u>	<u>Material and Use</u>
James M. Scheffler, M.D.	10 CFR 35.200 (limited to cardiovascular clinical procedures).
Shamim Dada, M.D.	10 CFR 35.100, 35.200 and 35.300.
Peter Nechay, M.D.	10 CFR 35.200 (limited to cardiovascular clinical procedures).
Brett A. Hagedorn, M.D.	10 CFR 35.100, 35.200 and 35.300.
John Rock, M.D.	10 CFR 35.100 and 35.200.
Rik Stephens, M.D.	10 CFR 35.100, 35.200 and 35.300.
James C. Wehrenberg, M.D.	10 CFR 35.100 and 35.200.
James A. Arata, M.D.	10 CFR 35.100, 35.200 and 35.300.
David B. Janizek, M.D.	10 CFR 35.100, 35.200 and 35.300.
Christine Anne Tremper, M.D.	10 CFR 35.100, 35.200 (excluding xenon-133) and 35.300 (limited to the treatment of hyperthyroidism).
Randall J. Phillips, M.D.	10 CFR 35.100, 35.200 and 35.300.
John Pasalich, M.D.	10 CFR 35.100, 35.200 and 35.300.
Stephen R. Phillip, M.D.	10 CFR 35.100, 35.200 and 35.300.
Marc Thomas, M.D.	10 CFR 35.100, 35.200 and 35.300.

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<u>Authorized User</u>	<u>Material and Use</u>
Diane D. Daly, M.D.	10 CFR 35.100, 35.200 and 35.300.
John L. Bormann, M.D.	10 CFR 35.100, 35.200 and 35.300.
Michael E. Parker, M.D.	10 CFR 35.100, 35.200 and 35.300.
Pamela Lee Strange, M.D.	10 CFR 35.100, 35.200 and 35.300.
Michael W. Tanksley, M.D.	10 CFR 35.100, 35.200 and 35.300 (excluding thyroid carcinoma therapy).
Joseph R. Decamp, M.D.	10 CFR 35.100, 35.200 (excluding xenon-133) and 35.300 (limited to the treatment of hyperthyroidism).
John R. Kim, M.D.	10 CFR 35.100, 35.200 and 35.300 (excluding iodine-131 for thyroid carcinoma).
Frederick N. Vandeman, M.D.	10 CFR 35.100, 35.200 and 35.300 (excluding iodine-131 for thyroid carcinoma).
Andre Byard Stovall, M.D.	10 CFR 35.100, 35.200 and 35.300.
Christopher Michael Kowalski, M.D.	10 CFR 35.100 and 35.200.
Gina W. Hook, M.D.	10 CFR 35.100 and 35.200.
Richard W. Sibley, M.D.	10 CFR 35.100, 35.200 and 35.300
Dakshesh S. Patel, M.D.	10 CFR 35.100 and 35.200.
Eric V. Heatwole, M.D.	10 CFR 35.100 and 35.200.
Shilpa Kashyap, M.D.	10 CFR 35.100 and 35.200.
Ralph W. Richardson, M.D.	10 CFR 35.100 and 35.200.

13. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Materials."

14. 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.

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For sealed sources not associated with 10 CFR Part 35 use, License Conditions 15, 16 and 17 apply:

15. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.
- B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.
- C. Sealed sources need not be tested if they are in storage and are not being used; however, when they are removed from storage for use or transferred to another person and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
- E. Tests for leakage and/or contamination, including leak test sample collection and analysis, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
16. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license.
17. Sealed sources containing licensed material shall not be opened or sources removed from source holders by the licensee.

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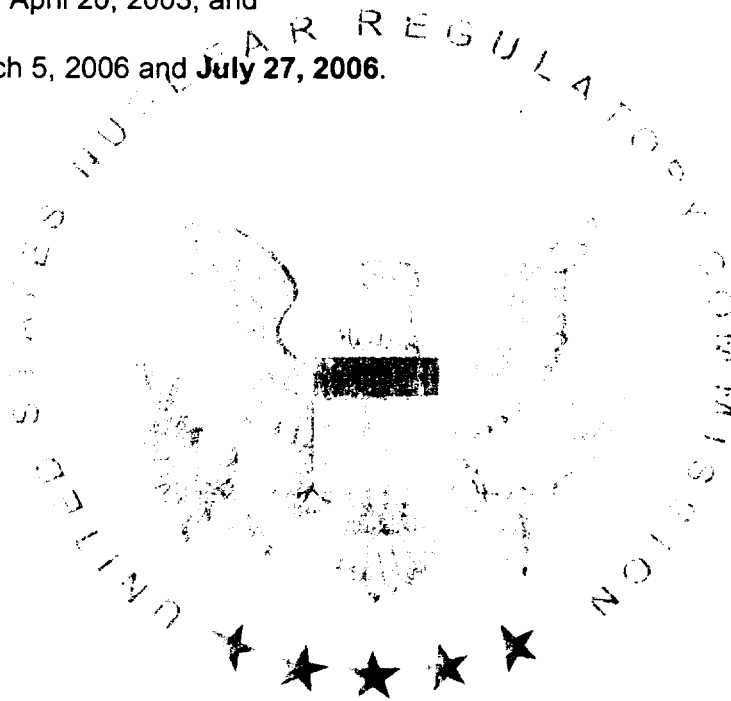
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18. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license 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 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 April 20, 2003; and
- B. Letter dated March 5, 2006 and **July 27, 2006.**



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date OCT 10 2006

By *Toye L. Simmons*
 Toye L. Simmons
 Materials Licensing Branch
 Region III