

U.S. NUCLEAR REGULATORY COMMISSION

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.

PCO 3620

318386

<p>Licensee</p> <p>1. Indiana University School of Medicine Evansville Center for Medical Education</p> <p>2. 8600 University Blvd. Evansville, IN 47712</p>	<p>In accordance with the letter dated July 29, 2009,</p> <p>3. License number 13-15734-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date November 30, 2012</p> <hr/> <p>5. Docket No. 030-09673 Reference No.</p>
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6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Hydrogen-3	A. Any	A. 100 millicuries
B. Carbon-14	B. Any	B. 5 millicuries
C. Iodine-125	C. Any	C. 15 millicuries
D. Phosphorus-32	D. Any	D. 32 millicuries
E. Phosphorus-33	E. Any	E. 11 millicuries
F. Sulfur-35	F. Any	F. 15 millicuries
G. Chlorine-36	G. Any	G. 5 millicuries
H. Calcium-45	H. Any	H. 10 millicuries
I. Sodium-24	I. Any	I. 6 millicuries
J. Potassium-42	J. Any	J. 20 millicuries
K. Rubidium-86	K. Any	K. 20 millicuries
L. Chromium-51	L. Any	L. 45 millicuries

9. Authorized use:

A. through L. Research and development, as defined in 10 CFR Part 30, Section 30.4, excluding animal studies; teaching and training of students.

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030-09673

Amendment No. 21

CONDITIONS

10. Licensed material shall be used only at the Health Science Building, 1901 East Walnut Street, Evansville, Indiana and the Medical Education Building and the Health Professional Building, 8600 University Boulevard, Evansville, Indiana.
11. The Radiation Safety Officer for the activities authorized by this license is G. S. Seetharamaiah, Ph.D.
12. Licensed material listed in Item 6 above is authorized for use by, or under the supervision of, the following individuals for the materials and uses indicated:
 - A. Cezary Wojcik, M.D., Ph.D. All
 - B. Carla Aldrich, Ph.D. All (excluding iodine-125)
 - C. G.S. Seetharamaiah, Ph.D. All
 - D. Tracy G. Anthony, Ph.D. All
13. Licensed material shall not be used in or on human beings or in field applications where activity is released except as provided otherwise by specific condition of the license.
14. The licensee is authorized to hold radioactive material with a physical half-life of less than 120 days for decay-in-storage before disposal in ordinary trash provided:
 - A. Before disposal as ordinary trash, byproduct material shall be surveyed at the container surface with the appropriate meter set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.
 - B. A record of each disposal permitted under this License Condition shall be retained for 3 years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.

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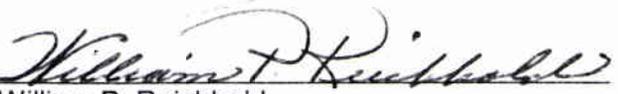
15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.

A. Application dated May 23, 2002.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date SEP 17 2009

By


William P. Reichhold
Materials Licensing Branch
Region III