

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 14

**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.

*PL 03620*

*577581*

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| <p>Licensee</p> <p>1. Lincoln University of Missouri<br/>c/o Tumen Wuliji, Ph.D.</p> <p>2. Radiation Protection Officer<br/>820 Chestnut Street<br/>Jefferson City, MO 65102-0029</p> | <p>In accordance with the letter dated <b>May 16, 2012</b>,</p> <p>3. License number 24-16097-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date <b>May 31, 2017</b></p> <hr/> <p>5. Docket No. 030-10534<br/>Reference No.</p> |
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| <p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Iodine-125</p> <p>B. Phosphorus-32</p> <p>C. Sulfur-35</p> | <p>7. Chemical and/or physical form</p> <p>A. Any (bound/non-volatile)</p> <p>B. Any (bound/non-volatile)</p> <p>C. Any (bound/non-volatile)</p> | <p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 0.5 millicuries</p> <p>B. 0.5 millicuries</p> <p>C. 0.5 millicuries</p> |
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9. Authorized Use:

A. through C. In-vitro studies for research and development as defined in 10 CFR 30.4.

CONDITIONS

- 10. Licensed material listed in shall be used and stored only at the licensee's facilities located at Chestnut Street, Jefferson City, Missouri.
- 11. Licensed material shall be used by, or under the supervision of, Tumen Wuliji, Ph.D.
- 12. The Radiation Safety Officer for the activities authorized by this license is Tumen Wuliji, Ph.D.
- 13. Licensed material shall not be used in or on human beings or in products distributed to the public.
- 14. The licensee shall conduct a physical inventory every six (6) months to account for all radioactive material received and possessed under the license.
- 15. The licensee may transport licensed material described in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
24-16097-01Docket or Reference Number  
030-10534**Amendment No. 14**

16. The licensee is authorized to hold radioactive material with a physical half-life of less than or equal to 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 survey 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 three 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.
17. 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 October 31, 2011; and
  - B. Letter dated October 31, 2011 and **May 16, 2012**.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date

AUG 16 2012

By

Toye L. Simmons  
Materials Licensing Branch  
Region III