



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
2443 WARRENVILLE ROAD  
LISLE, ILLINOIS 60532-4352

KIII

AUG 04 2004

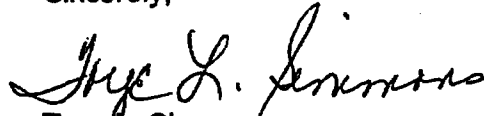
Neil J. Sargentini, Ph.D.  
Radiation Safety Officer  
Kirksville College of Osteopathic Medicine  
A.T. Still University of  
Health Science  
800 W. Jefferson Street  
Kirksville, MO 63501

Dear Dr. Sargentini:

Enclosed is Amendment No. 15 to your NRC Material License No. 24-17210-01 in accordance with your request. Please note that the changes made to your license are printed in **bold font**.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

Sincerely,

  
Toye L. Simmons  
Materials Licensing Branch

License No. 24-17210-01  
Docket No.030-12369

Enclosure: Amendment No. 15

Information in this record was deleted  
in accordance with the Freedom of Information  
Act, exemptions 2  
FOIA- 2005-0293

H/17

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 03620

313488

<p>Licensee</p> <p>1. Kirksville College of Osteopathic Medicine A. T. Still University of Health Sciences</p> <p>2. 800 West Jefferson Kirksville, MO 63501</p>	<p>In accordance with letter dated <b>June 24, 2004,</b></p> <p>3. License number 24-17210-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date February 28, 2005</p> <p>Packet No. 030-12369 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. Carbon-14	Any	A. 30 millicuries
B. Indium-114m		B. 25 millicuries
C. Hydrogen-3		C. 100 millicuries
D. Phosphorus-32		D. 100 millicuries
E. Rubidium-86	Any	E. 15 millicuries
F. Chromium-51	Any	F. 30 millicuries
G. Tin-113	Any	G. 10 millicuries
H. Gadolinium-153	Any	H. 3 millicuries
I. Niobium-95	Any	I. 10 millicuries
J. Scandium-46	Any	J. 10 millicuries
K. Strontium-85	Any	K. 10 millicuries
L. Ruthenium-103	Any	L. 10 millicuries
M. Cerium-141	Any	M. 10 millicuries
N. Iodine-131	Any	N. 30 millicuries
O. Iodine-125	Any	O. 75 millicuries
P. Sulfur-35	Any	P. 50 millicuries
Q. Any byproduct material identified in 10 CFR 31.11	Prepackaged Kits	Q. 5 millicuries
R. Technetium-99m	Any	R. 25 millicuries



*[Handwritten signature and scribbles on the right margin]*

MATERIALS LICENSE SUPPLEMENTARY SHEET

License Number 24-17210-01

Docket or Reference Number 030-12369

Amendment No. 15

6. Byproduct, source, and/or special nuclear material

S. Phosphorus-33

7. Chemical and/or physical form

S. Any

8. Maximum amount that licensee may possess at any one time under this license

S. 10 millicuries

9. Authorized Use:

A. through S. To be used for laboratory research, animal studies and in-vitro studies.

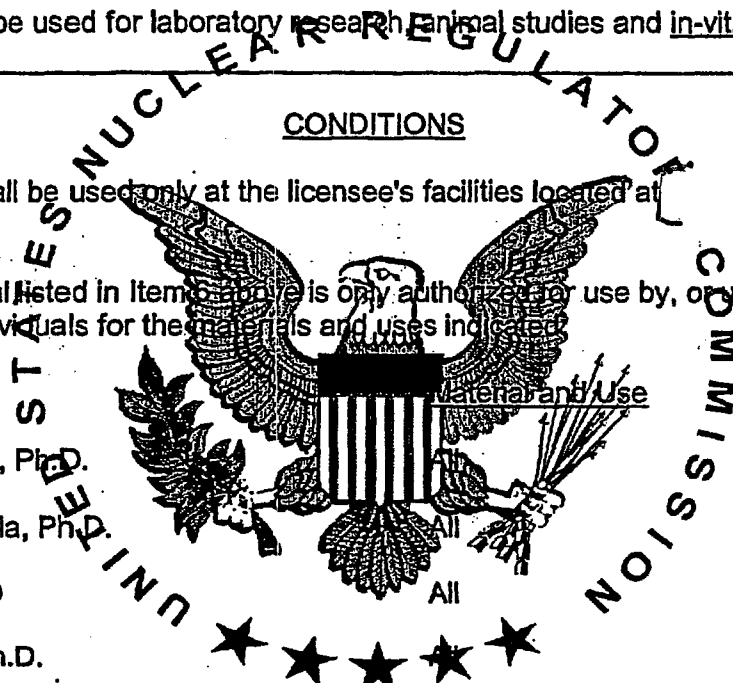
CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at Kirksville, Missouri.

11. A. Licensed material listed in Item 6 above is only authorized for use by, or under the supervision of, the following individuals for the materials and uses indicated.

Authorized Users

- |                                  |   |
|----------------------------------|---|
| 1. Allan Willingham, Ph.D.       | All                                       |
| 2. Richard Cenedella, Ph.D.      | All                                       |
| 3. Lex Towns, Ph.D.              | All                                       |
| 4. Krish Pandya, Ph.D.           | All                                       |
| 5. Orin Mock, Ph.D.              | All                                       |
| 6. Robert Baer, Ph.D.            | All                                       |
| 7. George Patrick, Ph.D.         | All                                       |
| 8. Nandor Uray, Ph.D.            | All                                       |
| 9. Charles Fleschner, Ph.D.      | All                                       |
| 10. James Lewis Cox, Ph.D.       | All (excluding iodine-125 and iodine-131) |
| 11. Timothy P. Geisbuhler, Ph.D. | All                                       |
| 12. James Rhodes, Ph.D.          | All                                       |



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**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
24-17210-01

Docket or Reference Number  
030-12369

Amendment No. 15

- |                               |     |
|-------------------------------|-----|
| 13. Neil J. Sargentini, Ph.D. | All |
| 14. Neil R. Chamberlin, Ph.D. | All |
| 15. William L. Sexton, Ph.D.  | All |
| 16. Melissa K. Stuart, Ph.D.  | All |

B. The Radiation Safety Officer for this license is Neil J. Sargentini, Ph.D.

12. The licensee shall not use licensed material in or on human beings except as provided otherwise by specific condition of this license.
13. Experimental animals, or the products from experimental animals, that have been administered licensed materials shall not be used for human consumption.
14. The licensee is authorized to hold radioactive material with a physical half-life of less than 65 days for decay-in-storage before disposal in ordinary trash, provided:
- Radioactive waste to be disposed of in this manner shall be held for decay a minimum of 10 half-lives.
  - Before disposal as ordinary trash, byproduct material shall be surveyed at the container surface with the appropriate survey meter 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.
  - 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.
15. Pursuant to Sections 20.1302(b) and 20.2002 of 10 CFR Part 20, the licensee is authorized to dispose of byproduct material by incineration.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
24-17210-01Docket or Reference Number  
030-12369

Amendment No. 15

16. 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 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. Letters dated February 17, 1994, August 19, 1994, December 2, 1994, April 14, 2000, November 24, 2003 and June 24, 2004.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date           AUG 04 2004          By           Toye L. Simmons            
Toye L. Simmons  
Materials Licensing Branch  
Region III



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, ILLINOIS 60532-4352

July 2, 2004

Neil J. Sargentini, Ph.D., Radiation Safety Officer  
Kirksville College of Osteopathic Medicine  
A.T. Still University of Health Science  
800 West Jefferson Street  
Kirksville, MO 63501

SUBJECT: ACKNOWLEDGMENT OF CORRESPONDENCE  
(Letter Dated 6/24/2004)

Dear Neil J. Sargentini, Ph.D.:

In response to your request, we have completed the initial processing, which is an administrative review of your application for a(n):

New License       Amendment       Termination

No Administrative deficiencies were identified during this initial review. However, it should be noted that a technical review may identify omissions in the submitted information.

It appears that your request is routine (see 1-2 below, as applicable).

1. New and Amendment actions are normally processed within 90 days, unless we find major deficiencies, or policy issues requiring central program office assistance.
2. Termination actions are normally processed within 90 days, unless confirmatory surveys following decontamination/decommissioning activities are involved.

We will try to complete your request as soon as practicable. Any correspondence about this request should reference the control number(s). Please direct any questions concerning your request to the Materials Licensing Branch at (630) 829-9887.

Materials Licensing Branch

Mail Control No.      313488  
License No.            24-17210-01