

Void Sheet

TO: License Fee Management Branch
FROM: Region 3
SUBJECT: VOIDED APPLICATION

Control Number: 318197

Applicant: Kansas City University Of Medicine

License Number: 24-32265-01

Docket Number: 030-35493

Date Voided: August 5, 2009

Reason for Void: The licensee failed to submit sufficient information to add new user, also did not specify any users for new radionuclide that they requested. Insufficient information to amend license.

W. P. REICHHOLD

W.P. Reichhold

August 5, 2009

Signature

Date

Attachment:
Official Record Copy of
Voided Action

FOR LFMB USE ONLY

_____ Refund Authorized and processed

_____ No Refund Due

_____ Fee Exempt or Fee Not Required

Comments _____ Log Completed _____

Processed by: _____

MEMO

FAX (630) 515-1078

To: Rolf Jakobi, Ph.D., Radiation Safety Officer
Location: Kansas City University of Medicine and Biosciences
(License 24-32265-01)
Date: March 4, 2009
Subject: Additional Information

The following additional information is needed to complete the review of your amendment request.

Past amendment requests have been signed by Keith Roberts, Ph.D., however this amendment request was signed by Seft G. Hunter, Ph.D. The NRC requests that representatives signing an amendment request must be authorized to make binding commitments and to sign official documents on behalf of the applicant. Please confirm that Seft G. Hunter, Ph.D. is authorized to make binding commitments and to sign official documents on behalf of the licensee, Kansas City University of Medicine and Biosciences (24-32265-01). Please see Section 8.13, Item 13, "Certification" in NUREG-1556, Volume 7, copy enclosed. You may also find a copy of NUREG-1556, Volume 7 on the NRC website at <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v7/>.

If you wish authorization for a new radionuclide (Carbon-14), please submit the information described in "Response from Applicant" in Section 8.5.1, "Unsealed and/or Sealed Byproduct Material", in NUREG-1556, Volume 7, copy enclosed. You will also need to specify the purpose for which the radionuclide will be used. Please submit the information described in "Response from Applicant" in Section 8.6, Item 6, in in NUREG-1556, Volume 7, copy enclosed.

If you wish to add an individual as an authorized user, please note that a resume or a curriculum vitae is likely to be insufficient because such documents usually do not supply all the information needed to evaluate an individual's training and experience for NRC purposes. Please submit information demonstrating that Mikhail Y. Golovko is qualified by training and experience to use the requested licensed materials. Training should include the following:

- Radiation Protection Principles
- Characteristics of Ionizing Radiation
- Units of Radiation Dose and Quantities
- Radiation Detection Instrumentation

- Biological Hazards of Exposure to Radiation (appropriate to the types and forms of byproduct materials to be used)
- Hands-on Use of Radioactive Materials

Please see Section 8.7.2, "Authorized User", and Appendix J, "Radiation Safety Training Topics" in NUREG-1556, Volume 7, copy enclosed.

Please resubmit your request as additional information to Voided Control 317773. We will resume our review upon receipt of your response. Please note, that a "void" is an administrative procedure that puts your amendment request "on hold" until you reactive it by a written response. It costs you nothing, gives you time to prepare a quality response, and is regarded as a "good thing".

Please contact me at 630-829-9839, if you have any questions.

From the desk of

Bill Reichhold

Add Carbon-14 NEED:

RADIOISOTOPE - C-14

*Chemical/Physical - bound/nonvolatile - liquid
form*

*Maximum possession - 1 millicurie
limit*

Use - cell culture experiments.

*NEEDS TO
specify users
quantified to
use C-14.*



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, ILLINOIS 60532-4352

Rolf Jakobi, Ph.D.
Radiation Safety Officer
Kansas City University of Medicine
and Biosciences
1750 Independence Avenue
Kansas City, MO 64106-1453

Dear Dr. Jakobi:

This refers to the letter dated December 9, 2008, requesting an amendment to add carbon-14 and Dr. Golovko as an authorized user. Please note, we need additional information so we can complete the review of your request. We will void your request at this time to allow you time to gather the additional information. We will void your request without prejudice to resubmission. Please submit the additional information as requested in the enclosed memo.

When you resubmit your request please state that the resubmission is additional information to **Voided Control 317773**. We will resume our review upon receipt of your response. Please note, that a "voided request" is an administrative procedure that puts your amendment request "on hold" until you reactive it by a written response. The "voided request" is regarded as "good" because it gives you time to prepare a quality response.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). The NRC's document system is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

William P. Reichhold
Materials Licensing Branch

License No. 24-32265-01
Docket No. 030-35493
Enclosure: Memo

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.

<p style="text-align: center;">Licensee</p> <p>1. Kansas University of Medicine and Biosciences</p> <p>2. 1750 Independence Avenue Kansas City, MO 64106-1453</p>	<p>In accordance with letter dated October 25, 2006,</p> <p>3. License number 24-32265-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date September 30, 2010</p> <hr/> <p>5. Docket No. 030-35493 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Sulfur-35</p> <p>B. Phosphorus-32</p> <p>C. Phosphorus-33</p> <p>D. Hydrogen-3</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Any</p> <p>D. Any</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 25 millicuries</p> <p>B. 75 millicuries</p> <p>C. 25 millicuries</p> <p>D. 25 millicuries</p>
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9. Authorized Use:

A. through D. Research and development as defined in Section 30.4 of 10 CFR Part 30, (excluding animal studies).

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 1740 and 1750 Independence Avenue, Kansas City, Missouri
11. The Radiation Safety Officer for this license is **Rolf Jakobi, Ph.D**
12. 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:
- | <u>Authorized Users</u> | <u>Material and Use</u> |
|--------------------------------|-------------------------|
| Rolf Jakobi, Ph.D. | All |
| Edith Yu-wen Chang, Ph.D. | All |
| Mary Peace McRae, Ph.D. | Hydrogen-3 |
13. The licensee is authorized to hold radioactive material with a physical half-life of less than 120 days for

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number 24-32265-01

Docket or Reference Number
030-35493

Amendment No. 06

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.
14. The licensee shall not use licensed material in or on human beings.
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. Applications dated July 19, 2000 and May 14, 2001; and
- B. Letters dated August 23, 2000, June 11, 2003, April 2, 2004 (with attachment), and July 24, 2006.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date _____

By _____

Kevin G. Null
Materials Licensing Branch
Region III