



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

January 23, 2004

Docket No. 03006931
Control No. 134090

License No. 19-08330-03

David G. Jarrett, COL, MC, USA
Director
Uniformed Services University
of the Health Sciences
Armed Forces Radiobiology Research Institute
8901 Wisconsin Avenue
Bethesda, MD 20889-5603

SUBJECT: UNIFORMED SERVICES UNIVERSITY , ISSUANCE OF LICENSE RENEWAL,
CONTROL NO. 134090

Dear Colonel Jarrett:

This refers to your request for renewal of your NRC license. Enclosed with this letter is the renewed license. 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 I Office, Licensing Assistance Team, (610) 337-5239, so that we can provide appropriate corrections and answers.

The NRC is required to have your Taxpayer Identification Number in order to make payments (refunds). The self-addressed, stamped NRC Form 531, "Request for Taxpayer Identification Number," is enclosed.

The NRC expects licensees to conduct their programs with meticulous attention to detail and high standards of compliance. Because of the serious consequences to employees and the public that can result from failure to comply with NRC requirements, you must conduct your program according to NRC regulations, the conditions of your NRC license, and the representations made in your application. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Notify the NRC in writing of any change in mailing address.
3. In accordance with 10 CFR 30.36(d), notify the NRC, promptly, in writing, and request termination of the license
 - a) when you decide to terminate all activities involving materials authorized under the license; or
 - b) if you decide not to acquire or possess and use authorized material.

4. Request and obtain a license Amendment before you:
 - a) change Radiation Safety Officers;
 - b) order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license; or
 - c) add or change the areas of use, or addresses of use identified in the license application or on the license; or
 - d) change the name or ownership of your organization.
5. Submit a complete renewal application or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations.

In addition, please note that NRC Form 313 requires the applicant, by signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or a certifying official of the licensee rather than a consultant.

You will be periodically inspected by the NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in NUREG 1600, "General Policy and Procedure for NRC Enforcement Actions" (Enforcement Policy).

An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14).

In accordance with 10 CFR 2.790, a copy of this letter will be placed in the NRC Public Document Room and will be accessible from the NRC Web site at <http://www.nrc.gov/reading-rm.html>.

D. Jarrett
Uniformed Services University

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Thank you for your cooperation.

Sincerely,

Original signed by Jenny Johansen

Jenny Johansen
Health Physicist
Nuclear Materials Safety Branch 2
Division of Nuclear Materials Safety

Enclosures:

1. Amendment No. 43
2. 10 CFR Parts 19, 20, 21, 30, 71, 170, and 171
3. NRC Forms 3, 313, and 531
4. Section 206 of the Energy Reorganization Act of 1974
5. NUREG 1600, General Policy and Procedure for NRC Enforcement Actions (Enforcement Policy)

cc:

David M. McKown, Radiation Safety Officer

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DATE	01/23/2004					

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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. Uniformed Services University of the Health Sciences Armed Forces Radiobiology Research Institute</p> <p>2. 8901 Wisconsin Avenue Bethesda, Maryland 20889-5603</p>	<p>In accordance with the application dated December 1, 2003,</p> <p>3. License number 19-08330-03 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date January 31, 2014</p> <hr/> <p>5. Docket No. 030-06931 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Cobalt 60</p> <p>B. Cobalt 60</p>	<p>7. Chemical and/or physical form</p> <p>A. Sealed sources (Neutron Products Model NPRP 635-25-L)</p> <p>B. Sealed Sources (Nordion Model C-188)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 50,000 Curies</p> <p>B. 400,000 Curies</p>
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9. Authorized use:
A. and B. For use in a panoramic wet-source storage irradiator for the irradiation of materials other than explosives, flammables, or corrosives and for instrument calibrations.

CONDITIONS

- 10. Licensed material may be used only at the licensee's facilities located at Armed Forces Radiobiology Research Institute, Bethesda, Maryland.
- 11. A. Licensed material shall only be used by, or under the supervision and in the physical presence of, individuals who have received the training described in application dated December 1, 2003, and have been designated in writing by the Radiation Safety Officer. The licensee shall maintain records of individuals designated as users for five years following the last use of licensed material by the individual.
- B. The Radiation Safety Officer for this license is David M. McKown.
- 12. Sealed sources containing licensed material shall not be opened or sources removed from source holders by the licensee.
- 13. The licensee shall conduct a physical inventory every six months to account for all sealed sources and devices containing licensed material received and possessed under the license. Records of inventories shall be maintained for five years from the date of each inventory, and shall include the quantities and

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
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030-06931

Amendment No. 43

kinds of byproduct material, manufacturer name and model numbers, location of sources and/or devices, and the date of the inventory.

14. Nothing in this license relieves the licensee from complying with the rules and regulations of the U.S. Food and Drug Administration, or any other requirements governing the irradiation and distribution of foods for human consumption.
15. In accordance with 10 CFR 36.17(a) and notwithstanding the requirements of 10 CFR 36.23(b), the licensee is authorized to use the alternative independent backup access control system described in its letter to NRC Region I dated July 2, 1993, and its letter to NRC Headquarters dated October 27, 1993. The testing of the control room radiation area monitor shall include using a check source to ensure the operability of the detector itself.
16. The licensee shall not perform repairs or alterations of the irradiator involving removal of shielding or access to the licensed material. Removal, replacement, and disposal of sealed sources in the irradiator shall be performed by persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
17. The licensee is authorized to make modifications to the source rack described in the application dated December 1, 2003. The licensee shall test the movement of the source rack for proper operation in accordance with 10 CFR 36.41(f) and (i) prior to source loading.
18. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
19. 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. Application dated December 1, 2003
- B. Letter dated January 14, 2004

For the U.S. Nuclear Regulatory Commission

Original signed by Jenny JohansenDate January 23, 2004

By _____

Jenny Johansen
Nuclear Materials Safety Branch 2
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406