

MATERIALS LICENSE

Amendment No. 37

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.

OFFICIAL RECORD COPY

Licensee		In accordance with the letter dated December 6, 1996, 3. License Number 19-08330-03 is amended in its entirety to read as follows:	
1. Uniformed Services University of the Health Sciences Armed Forces Radiobiology Research Institute 8901 Wisconsin Avenue Bethesda, Maryland 20889-5603		4. Expiration Date December 31, 2003	
		5. Docket or Reference No. 030-06931	
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. Cobalt 60	A. Sealed sources specified in Condition 12	A. 400,000 curies total	
9. Authorized use			
A. For 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 August 12, 1993 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 Captain Charles B. Galley.
12. The licensee is authorized to use the following sealed sources in the irradiator:
- | | |
|------------------------|------------------|
| <u>Manufacturer</u> | <u>Model No.</u> |
| Neutron Products, Inc. | NPRP 635-25-L |
13. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.

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PDR ADOCK 03006931
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ML 10

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

19-08330-03

Docket or Reference Number

030-06931

Amendment No. 37

14. 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 kinds of byproduct material, manufacturer name and model numbers, location of sources and/or devices, and the date of the inventory.
15. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR 71, "Packaging and Transportation of Radioactive Material."
16. Irradiation and distribution of foods for human consumption shall be in accordance with the rules and regulations of the Food and Drug Administration.
17. 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.
18. 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 August 12, 1993
 - B. Letter dated November 5, 1993
 - C. Letter dated November 24, 1993

Date

MAR 10 1997

For the U.S. Nuclear Regulatory Commission

ORIGINAL SIGNED BY:By **STEVEN R. COURTEMANCHE**Division of Nuclear Materials Safety
Region I

King of Prussia, Pennsylvania 19406

MAR 10 1997

Capt. Eric Kearsley, Director
Uniformed Services University
of the Health Services
Armed Forces Radiobiology
Research Institute
8901 Wisconsin Avenue
Bethesda, MD 20889-5603

Dear Captain Kearsley:

This refers to your license amendment request. Enclosed with this letter is the amended license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5093 or 5239, so that we can provide appropriate corrections and answers.

Thank you for your cooperation.

Sincerely,

ORIGINAL SIGNED BY:
STEVEN R. COURTEMANCHE

Steven R. Courtemanche
Division of Nuclear Materials Safety

License No. 19-08330-03
Docket No. 030-06931
Control No. 124047

Enclosure:

Amendment No. 37

DOCUMENT NAME: R:\WPS\MLTR\L1908330.03

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	N	DNMS/RI				
NAME	SCourtemanche/src						
DATE	03/07/97	03/ /97	03/ /97	03/ /97	03/ /97		

OFFICIAL RECORD COPY

ML 10

TELEPHONE CONVERSATION RECORD	Date: 03/06/97	Time: 10:00
Mail Control No.: 124047	License No.: 19-08330-03	Docket No.: 030-06931
Person Called: Captain Charles B. Galley, RSO	Licensee: Uniformed Services University of the Health Sciences	Telephone No.: (301)295-1285
Person Calling: Steven Courtemanche/(610) 337-5075		
Subject: Proper name of the licensee		
<u>Summary:</u> Captain Galley stated that the proper address for the licensee should be: Uniformed Services University of the Health Sciences, Armed Forces Radiobiology Research Institute, 8901 Wisconsin Avenue, Bethesda, Maryland 20889-5603. I stated that I would make the change.		
Action Required/Taken: File with licensing action.		
Signature: <i>Steven R. Courtemanche</i>		Date: 03/06/97



ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE

8901 WISCONSIN AVENUE
BETHESDA, MARYLAND 20889-5603

030-06931

605.02

6 December 1996

Mr. John McGrath
USNRC Region I
475 Allendale Road
King of Prussia, PA 19406

Dear Mr. McGrath,

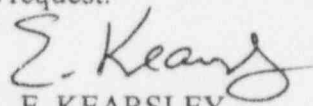
In accordance with previous NRC approval, Mr. David M. McKown has served since 5 August 1996 as acting Radiation Safety Officer (RSO) for our NRC licenses 19-08330-02 and 19-08330-03, until the RSO vacancy could be filled.

This letter requests NRC approval of our appointment of Charles B. Galley, CAPT, MSC, USN, as the Radiation Safety Officer for NRC licenses 19-08330-02 and 19-08330-03. His resume is attached for your review.

CAPT Galley has extensive training and experience in radiological health physics and radiation safety program management for use of both radioactive materials and industrial radiation source facilities. He is a certified health physicist (comprehensive) and has previously served as RSO for NRC licensed activities at other institutions.

Particularly note that he has recently rotated from the position of Head, Radiation Sources Department at AFRRI, which oversees the operation, maintenance, and use of the Reactor, LINAC, and the Cobalt Irradiation Facility, NRC license 19-08330-03. He has also served as Chairman, Reactor and Radiation Facility Safety Committee (RRFSC) which oversees the safety and training aspects of the cobalt facility. Experience in these positions has included a direct working involvement with cobalt facility operations as well as on the job training and self study of the 10 CFR 36 regulations and license requirements.

Thank you for your prompt attention to this request.


E. KEARSLEY
CAPT, MSC, USN
Director

Attachment:
as stated

BIOGRAPHY

Charles B. Galley, CAPT, MSC, USN
Head, Radiation Sources Department
Armed Forces Radiobiology Research Institute

CAPT Galley has a BS degree in Biology and a MS Degree in Radiobiology. He has served in support of nuclear programs throughout the US Navy for 30 years. He has performed as a Radiation Safety Officer for nuclear submarine repair facilities on two occasions. He served as the Radiation Safety Officer for a 500 bed naval hospital licensed by the Nuclear Regulatory Commission to perform diagnostic and therapeutic nuclear medicine procedures, brachytherapy, and external beam radiotherapy. He is certified by the American Board of Health Physics and has directed both large scale personnel dosimetry programs and industrial radiation source usage programs. CAPT Galley has trained Navy personnel in NBC Warfare Defense, Disaster Preparedness, Radiation Safety, Health Physics, Radiobiology and Personnel Decontamination. He has served as a member of the US Navy Radiation Safety Committee which controls the use of radionuclides and radiation producing machines throughout the whole Navy.

CURRICULUM VITAE

Charles B. Galley
CAPT, MSC, USN

Current Position: Radiation Safety Officer
Armed Forces Radiobiology Research Institute
(AFRRI) Bethesda, MD 20889-5603

Academic Training:

1966 B.S., Biology, Duquesne University, Pittsburgh, PA
1973 M.S. Radiology and Radiobiology, Colorado State University, Fort Collins, CO

Military Training:

1966 Officer Candidate School, R.I.
1967 Nuclear, Biological and Chemical Defense (NBCD) Afloat, Navy Damage Control Training Center, Philadelphia, PA
1969 Radiological Safety Officer, U.S. Army Chemical Center and School, Ft McClellan, AL
1984 Senior Medical Readiness and Contingency Course, SMRCC, NSHS, Bethesda, MD
1986 Senior Officer Nuclear Accident Course, Kirtland AFB, Albuquerque, NM
1987 Nuclear Weapon Orientation Advanced, Kirtland AFB, Albuquerque, NM

Professional Experience:

1967-1969 Radiation Health Officer, USS Hunley (AS-31)
1969-1972 Instructor/Executive Officer, Naval Training Unit, USA Chemical Center and School, Ft McClellan, AL
1973-1974 Researcher Immunologist, Armed Forces Radiobiology Research Institute, Bethesda, MD
1974-1978 Radiation Health Officer, Naval Submarine Support Facility, New London, Groton, CT
1978-1982 Instructor/Assistant Officer in Charge, Naval

Undersea Medical Institute, Groton, CT

C. B. Galley, Curriculum Vitae, Page 2

1978-1982	Radiation Safety Officer, Naval Submarine Medical Center, Groton, CT
1978-1982	Radiation Safety Officer, Naval Submarine Medical Research Laboratory, Groton, CT
1982-1986	Head, Radiation Safety Department, National Naval Medical Center, Bethesda, MD
1982-1986	Head, Navy Dosimetry Center, National Naval Medical Center, Bethesda, MD
1986-1989	Radiological Controls Program Director (06GN), Naval Sea Systems Command, Washington, DC
1986-1989	Member, Navy Radiation Safety Committee, Chief of Naval Operations, Washington, DC
1989-1996 (10/15)	Head, Radiation Sources Department, Armed Forces Radiobiology Research Institute, Bethesda, MD

Certification:

1985 Diplomate, American Board of Health Physics

Professional Affiliations:

Health Physics Society
Baltimore-Washington Health Physics Society
American Board of Health Physics

(FOR LFMS USE)
INFORMATION FROM LTS

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: PROGRAM CODE: 03521
: STATUS CODE: 0
: FEE CATEGORY: EX 3G
: EXP. DATE: 20031231
: FEE COMMENTS: 170.11(A)(4)
: DECOM FIN ASSUR REQD: Y
: .....

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A. REGION

2. FEE ATTACHED

AMOUNT: _____
CHECK NO.: _____

- Reference 124046

SIGNED R. J. Brown
DATE 12/27/96

- B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED /_/)

1. FEE CATEGORY AND AMOUNT: _____

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:

AMENDMENT	000 000 000 000 000 000 000 000 000 000 000 000 000
RENEWAL	000 000 000 000 000 000 000 000 000 000 000 000 000
LICENSE	000 000 000 000 000 000 000 000 000 000 000 000 000

3. OTHER -----

SIGNED _____
DATE _____