

MATERIALS LICENSE

Amendment No. 22

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, 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.

Licensee		In accordance with letter dated February 28, 1994,	
1. Department of the Army Walter Reed Army Medical Center		3. License number 08-01738-03 is amended in its entirety to read as follows:	
2. Washington, D.C. 20307-5001		4. Expiration date November 30, 1996	
		5. Docket or Reference No. 030-06895	
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 (AECL Models C-166, C-167 or C-198)	A. 3,500 curies per source and 70,000 curies total	
B. Cesium 137	B. Sealed sources (AECL Model C-161 Type 8)	B. 2,100 curies per source and 8,400 curies total	
C. Cesium 137	C. Sealed sources	C. [] per source and [] total	
9. Authorized use			
A. To be used in AECL Gammacell 220 irradiator for medical research and development and radiation dosimetry.			
B. To be used in AECL Gammacell 40 Irradiator for small animal irradiation, medical research, development and radiation dosimetry.			
C. To be used in a [] Irradiator to irradiate blood products.			

CONDITIONS

- 10. License material shall be used at WRAMC, Washington, D.C.
- 11. A. Licensed material shall be used by individuals who have satisfactorily completed the training program outlined in the application dated March 18, 1991 and have been designated by the individual approved by the Radiation Control Committee. Records of training shall be maintained by the licensee.
- B. The Radiation Safety Officer for this license is CPT Mark A. Melanson, CHP.

Information in this record was deleted in accordance with the Freedom of Information Act, exemptions 2 & 6
2006-0238

EX 2
OFFICIAL RECORD COPY

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

08-01738-03

Docket or Reference number

030-06895

Amendment No. 22

(Continued)

CONDITIONS

12. Sealed sources containing licensed material shall not be opened.
13. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed 3 years.
- B. Notwithstanding Paragraph A of this condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.
- C. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.
- E. Sealed sources and detector cells need not be leak tested if:
- (i) they contain only hydrogen 3 or
 - (ii) they contain only a gas; or
 - (iii) the half-life of the isotope is 30 days or less; or
 - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
 - (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transfer to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- F. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission and the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region I, ATTN: Chief, Nuclear Materials Safety Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406. The report shall specify the source involved, the test results, and corrective action taken.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

08-01738-03

Docket or Reference number

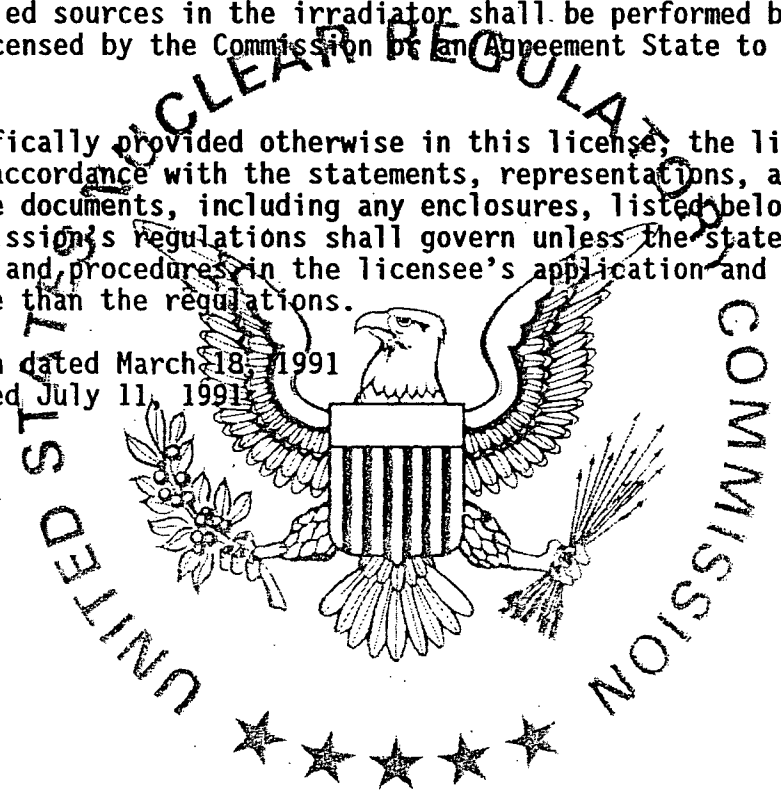
030-06895

Amendment No. 22

(13. Continued)

CONDITIONS

- G. The licensee is authorized to collect leak test samples for analysis by individuals approved by the Radiation Control Committee. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
- 14. 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 a person specifically licensed by the Commission or an Agreement State to perform such services.
- 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. Application dated March 18, 1991
 - B. Letter dated July 11, 1991



For the U.S. Nuclear Regulatory Commission

Original Signed By
Thomas S. Johnson

By

Nuclear Materials Safety Branch
Region I
King of Prussia, Pennsylvania 19406

APR 18 1994

Date _____

APR 18 1994

License No. 08-01738-03
Docket No. 030-06895
Control No. 119388

Department of the Army
ATTN: Peter H. Myers, Lt. Colonel
HQDA (DASG-PSP)
5109 Leesburg Pike
Falls Church, Virginia 22041-3258

Dear Lt. Colonel:

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, the Licensing Assistance Section, (610) 337-5093 or 5239, so that we can provide appropriate corrections and answers.

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Until your license is terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. 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 NRC, in writing, within 30 days:
 - a. when the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same).
3. In accordance with 10 CFR 30.36(b) and/or license condition, notify 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 complete the facility, acquire equipment, 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;
 - c. add or change the areas of use, or address or addresses of use identified in the license application or on the license; or
 - d. change ownership of your organization.
5. Submit a complete renewal application with proper fee 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. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her 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 certifying official 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 the General Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C.

Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Thank you for your cooperation.

Sincerely,

Original Signed By:
Thomas K. Thompson

Thomas K. Thompson
Senior Health Physicist
Nuclear Materials Safety Branch
Division of Radiation Safety
and Safeguards

Enclosures:

1. Amendment No. 22
2. Requirements for Materials Licensees

TKT
DRSS:RI
Thompson/srb

4/11/94



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
OFFICE OF THE SURGEON GENERAL
5109 LEESBURG PIKE
FALLS CHURCH, VA 22041-3258



February 28, 1994

030-06895

Preventive Medicine
Consultants Division

US Nuclear Regulatory Commission
Region I
475 Allendale
King of Prussia, Pennsylvania 19406

Dear Sir:

Enclosed are two copies of a request to amend Byproduct
Material License Number 08-01738-03, Walter Reed Army Medical
Center, Washington, DC, by appointing Captain Mark A. Melanson
as Radiation Safety Officer.

Recommend approval.

Sincerely,

Peter H. Myers
Colonel, U.S. Army
Radiological Hygiene Consultant

Enclosure

CF: HQ, USAEHA, ATTN: HSHB-MR-H, APG, MD 21010-5422
HQ, USWRAMC, ATTN: HSHL-HP, Wash, DC 20307-5001

FEE EXEMPT

119388

MAR 7 1994

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DEPARTMENT OF THE ARMY
WALTER REED ARMY MEDICAL CENTER
WASHINGTON, DC 20307-5001



REPLY TO
ATTENTION OF:

HSHL-HP (385-11m)

17 February 1994

MEMORANDUM FOR U.S. Nuclear Regulatory Commission, Region I,
Nuclear Material Safety Section A, 475
Allendale Road, King of Prussia, PA 19406


SUBJECT: Amendment of U.S. Nuclear Regulatory Commission License
No. 08-01738-03.

1. Request that NRC License No. 08-01738-03 for Walter Reed Army Medical Center be amended to reflect a change in the Radiation Safety Officer from LTC Arthur G. Samiljan to CPT Mark A. Melanson, CHP. CPT Melanson has been assigned as the Chief, Health Physics Office at Walter Reed AMC since February 1994. Before that he was the Chief, Operations Branch of the Health Physics Office and alternate RSO at WRAMC since June 1991. A Training and Experience Form and a Curriculum Vitae for CPT Melanson are attached (Enclosures 1 and 2).

2. If any additional information is required please contact Mr. David Burton or CPT Melanson at (301) 427-5161.

FOR THE COMMANDER:

2 Encls


EARL S. NEWSOME III
LTC, MS
Executive Officer

CF:
CDR, HSC ATTN: HSCL-P
HQDA (SGPS-PSP-E)

CURRICULUM VITAE OF
MARK ALLEN MELANSON

PERSONAL DATA:

HOME ADDRESS:

SSN:

CITIZENSHIP:

MARITAL STATUS:

EDUCATION:

COLLEGE:

Dickinson College, Carlisle, PA
B.S. Nuclear Physics, Mathematics

GRADUATE SCHOOL:

Johns Hopkins University
School of Hygiene and Public Health
M.S. Radiological Health

CERTIFICATION:

Comprehensive, American Board of
Health Physics

EXPERIENCE:

OCT 83 - DEC 86

Radiation Safety Officer and
Medical Physicist
Department of Radiology
Landstuhl Army Regional Medical
Center, Landstuhl, West Germany
4 Mammographic x-ray systems

DEC 86 - DEC 88

Consultant, Medical Physics
Medical Physics Branch
Health Physics Division
US Army Environmental Hygiene Agency
Aberdeen Proving Grounds, MD
40 Mammographic x-ray systems

JUN 91 - PRESENT

Deputy Health Physics Officer
Walter Reed Army Medical Center
Washington, D.C.
10 Mammographic x-ray systems

Societies and Affiliations:

American Association of Physicists in Medicine
American Academy of Health Physics
Health Physics Society
Sigma Pi Sigma Physics Honor Society
Delta Omega Public Health Honor Society
Theta Chi Fraternity

Ex 6

6. EXPERIENCE WITH RADIATION (Actual use of Radioisotopes) (Sealed or unsealed source)

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
-131	200 mCi	LARMC, FRG	9/83 - 12/86	Therapy
C-99m	50 mCi	LARMC, FRG	9/82 - 12/86	Imaging
S-139	25 mCi	" "	" "	Calibration
l-201	75 mCi	" "	" "	Imaging
a-133	500 mCi	" "	" "	Pa+ Ma ke
o-57				
o-58	10 mCi	LARMC FRG	9/83 - 12/86	Calibration
ia-67	3 mCi	" "	" "	Imaging
n-111	500 mCi	" "	" "	" "
-123	500 mCi	" "	" "	" "
-11	2 Ci	JHU	7/89 - 5/91	Imaging
-18	500 mCi	" "	" "	" "
a-226	50 mCi	" "	" "	Lab
-3	2 Ci	AEHA	12/86 - 12/88	Special Project

7. EXPERIENCE WITH RADIATION PRODUCING DEVICES (X-ray, Irradiators, etc.)

DEVICE	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Neutron Howitzer	Dickinson College	9/79 - 5/83	Research
u-239 Be	MHPS, HPD, AEHA	12/86 - 12/88	Compliance
Diagnostic	LARMC	9/83 - 12/86	Surveys
-Ray Systems			" "
Diagnostic	AEHA	12/86 - 12/88	Calibration
-Ray Systems			
Cobalt-60	WRAMC	7/91 - Present	Blood
0 Ci			Treatment
lood Irradiator			
s-137 - 2,000 Ci			

CERTIFICATION:

I certify that the information provided hereon is true and complete to the best of my knowledge.

15 Feb 97
Date Signed

[Signature]
Signature of Applicant