

## MATERIALS LICENSE

Amendment No. 45

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.

Licensee		In accordance with the letter dated July 12, 1996	
1. Department of the Army MEDDAC Land Army Community Hospital Fort Knox, Kentucky 40121-5520		3. License Number	16-03657-01
		is amended in its entirety to read as follows:	
		4. Expiration Date	January 31, 2005 (extended)
		5. Docket or Reference No.	030-01748
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. Any byproduct material identified in 10 CFR 35.100	A. Any radiopharmaceutical identified in 10 CFR 35.100	A. As needed	
B. Any byproduct material identified in 10 CFR 35.200	B. Any radiopharmaceutical identified in 10 CFR 35.200, except gases	B. As needed	
C. Iodine 131	C. In capsule as iodide for preparation and administration as specified in §35.300	C. 55.5 gigabecquerels (1.5 curies)	
D. Any byproduct material with a half-life less than 120 days except iodine 131	D. Any form for uses described in §35.300 initially distributed in accordance with a specific license pursuant to 10 CFR 32.72 or a specific license issued by an Agreement State pursuant to equivalent State regulations.	D. As needed, not to exceed 3.7 gigabecquerels (100 millicuries) per container	
E. Any byproduct material identified in 10 CFR 31.11	E. Prepackaged kits	E. As needed	
F. Gadolinium 153	F. Sealed sources registered pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation.	F. Not to exceed 37 gigabecquerels (1000 millicuries) per camera unit	

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PDR ADOCK 03001748  
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**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number 16-03657-01

Docket or Reference Number 99-01748

Amendment No. 44

9. Authorized Use:

- A. Medical use described in 10 CFR 35.100
- B. Medical use described in 10 CFR 35.200
- C. and D. Any radiopharmaceutical therapy approved in §35.300
- E. In vitro studies
- F. Possession and use of sealed sources contained in a compatible device (registered pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation) for medical use in an ADAC "Vantage" transmission device distributed in accordance with a license issued pursuant to 10 CFR 32.74 or an equivalent Agreement State regulation. The licensee may also possess one additional source set in its shipping container incident to source exchange.
- G. Non-medical use incident to performing radiation safety for authorized uses specified in Items 9.A through 9.D.

CONDITIONS

- 10. Location of use: Ireland Army Community Hospital, Buildings 851 and 1070, Fort Knox, Kentucky.
- 11. The Radiation Safety Officer for this license is Jeffrey T. Wade, M.D.
- 12. Authorized user(s) and uses:
  - A. John C. Glenn, M.D. Medical use described in 10 CFR 35.100, §35.200, §35.300 and §31.11
  - B. Thomas E. Hall, M.D. Medical use described in 10 CFR 35.100, §35.200, §35.300 and §31.11
  - C. Leonard E. Nagorski, M.D. Medical use described in 10 CFR 35.100, §35.200, §35.300 and §31.11
  - D. Scott R. Partyka, M.D. Medical use described in 10 CFR 35.100, §35.200 and §31.11
  - E. Jeffrey Trent Wade, M.D. Medical use described in 10 CFR 35.100, §35.200, §35.300 and §31.11
  - F. Philip A. Hypes, 1LT, MSC Non-medical use specified in Subitem 9. G.
- 13. The licensee shall maintain records of information important to safe and effective decommissioning at the location listed in Condition 10 pursuant to the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.
- 14. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum specified 10 CFR 30.35 for establishing decommissioning financial assurance.
- 15. Sealed sources containing licensed material shall not be opened by the licensee.

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License Number 16-03657-01

Docket or Reference Number 036-01748

Amendment No. 44

## CONDITIONS

Continued -

16. The licensee shall not perform repairs or alterations of the transmission device(s) involving removal of shielding or access to the licensed material. Removal, replacement, and disposal of sealed sources in the transmission device(s) shall be performed by a person specifically licensed by the Commission or an Agreement State to perform such services.
17. Each transmission device shall be tested for the proper operation of the on-off mechanism and indicator, if any, at no longer than 6 month intervals or at such longer intervals as specified by the manufacturer and approved by NRC or an Agreement State.
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, except for minor changes in the medical use radiation safety procedures as provided in 10 CFR 35.31. 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
1. August 10, 1994 [renewal]
  2. July 7, 1995 [add Dr. Partyka, delete Dr. Behjati]
  3. September 18, 1995 [letter dated 9/12/95, add SFC Lohr as non-medical user]
  4. October 3, 1995 [Change RSO, add Dr. Glenn]
  5. December 18, 1995 [Change authorized user for non-medical use]
- B. Letters dated:
1. June 24, 1996 [delete ventilation sys. testing; submit new QMP (to be separated from application)]
  2. July 12, 1996 [add Dr. Nagorski; delete Drs. Guiterrez and Mitchell; add Gd 153 in ADAC imaging system; change areas of use; request authorization to change internally areas of use]
  3. August 28, 1996 [add counting laboratory]
- C. Reference NRC letter dated March 1, 1996 extension of expiration date per 10 CFR 30.36.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

DAVID J. COLLINS

DATE

NOV 26 1996

BY



Region II, Division of Nuclear Materials Safety  
101 Marietta Street, N.W., Suite 2900  
Atlanta, Georgia 30323-0199

N:\MLICENSE\16-03657.A45

11/27/96

BETWEEN:

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

: (FOR LFMS USE)  
: INFORMATION FROM LTS  
: -----  
:  
: Program Code: 02120  
: Status Code: 0  
: Fee Category: EX 7C  
: Exp. Date: 20050131  
: Fee Comments: \_\_\_\_\_  
: Decom Fin Assur Req'd: N  
: ::::::::::::::::::::::::::::::

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: ARMY, DEPARTMENT OF THE  
Received Date: 961126  
Docket No: 3001748  
Control No.: 257287  
License No.: 16-03657-01  
Action Type: Amendment

2. FEE ATTACHED

Amount: \_\_\_\_\_  
Check No.: \_\_\_\_\_

3. COMMENTS

Signed \_\_\_\_\_  
Date \_\_\_\_\_

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 \_\_\_\_\_  
Renewal \_\_\_\_\_  
License \_\_\_\_\_

3. OTHER \_\_\_\_\_  
\_\_\_\_\_

Signed \_\_\_\_\_  
Date \_\_\_\_\_



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
101 MARIETTA STREET, N.W., SUITE 2900  
ATLANTA, GEORGIA 30323-0198

INFORMATION FOR NRC MATERIAL LICENSEES

Please find enclosed: ☒ Your NRC material license  
☐ Amendment to your NRC material license  
☐ Amendment renewing your NRC material license  
☐ Amendment terminating your NRC material license  
☐ Notice for Radiographer Quality Assurance Approval Program

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify this office (ATTN: Ms. Diane Heim at (404) 331-4673) 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. Unless your license has been 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 19, "Notice, Instructions and Reports to Worker: Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Not possess and use materials authorized in Items 6, 7, and 8, on the license until:
  - a. you have constructed the facilities and obtained the equipment described in the license application and supporting documentation; and
  - b. you have notified the U. S. Nuclear Regulatory Commission, Region II, ATTN: Materials Licensing/Inspection Branch, in writing, that activities authorized by the license will be initiated
  - c. you have submitted & certified implementation of a Quality Management Program (10 CFR 35.32) for radiotherapy, or for administering > 30 uCi of I-125 or I-131.
3. Notify NRC, in writing, within 30 days:
  - a. when an authorized user, Radiation Safety Officer, or Teletherapy Physicist permanently discontinues performance of duties under the license or has a name change; or
  - b. when the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same).
4. 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.

## 5. Request and obtain a license amendment before you:

- a. receive or use byproduct material for a clinical procedure permitted under Part 35 but not permitted by your license issued pursuant to this part.
- b. permit anyone, not authorized under 10 CFR 35, Subpart J, to work as an authorized user under a license for medical use of byproduct material.
- c. permit anyone, not authorized under 10 CFR 35, Subpart J, to work as a Radiation Safety Officer, Teletherapy Physicist, or Nuclear Pharmacist, under a license for medical use of byproduct material.
- d. order byproduct material in excess of the amount, or a different radionuclide or form, other than authorized on the license;
- e. add or change the areas of use or address (or addresses) of use identified in the license application or on the license; or
- f. change ownership of your organization.

6. 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. Transfer of licensed materials must be consistent with 10 CFR 30.41, 40.51 or 70.42, as applicable. 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 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 Statement of Policy and Procedures for NRC Enforcement Actions," NUREG-1600, (7/95). 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 against those who do not achieve the necessary attention to detail and standard of compliance expected of licensees.

Thank you for your cooperation.

## Enclosures:

1. NRC License
2. Category Marked Below for:
  - ☐ New licenses: NUREG-1600 (7/95); 19; 20; 30; 40 or 70, as appropriate; 71; 170; NRC Form 3, Agreement State list; and NRC Form 313.
  - ☐ New radiography licenses: Parts 34; 150.
  - ☐ New medical and teletherapy licenses: Part 35.
  - ☐ Amendments and renewals: NRC Form 313.





DEPARTMENT OF THE ARMY  
HEADQUARTERS, U.S. ARMY MEDICAL DEPARTMENT ACTIVITY  
FORT KNOX, KENTUCKY 40121-5520

REPLY TO  
ATTENTION OF

MCXM-PMR (385-11m)

28 August 1996

MEMORANDUM THRU

COMMANDER, Walter Reed Army Medical Center (AMC) ATTN: HP/Health  
Physics Office, Washington, D.C. 20307-5001

Headquarters, U.S. Army Medical Command ATTN: MCHO-CL-W, 2050  
Worth Road, Fort Sam Houston, TX 78234-6000

FOR U.S. Nuclear Regulatory Commission, Region II, Nuclear  
Materials Safety Section, 101 Marietta Street, Suite 2900,  
Atlanta, GA 30323

SUBJECT: Letter of Transmittal - NRC License Amendment

1. Request the processing of the following amendment application to the NRC License number 16-03657-01, assigned to Ireland Army Community Hospital, Fort Knox, Kentucky.
2. This amendment requests that room 6-30 in building 851 be added to the areas of use listed on the license. The room will be used as the Radiation Protection Office laboratory. Survey meters, check sources, and related supplies will be stored in the room, and the gamma counter will be used in this room.
3. Appendix A shows the location of the room and the uses of the surrounding areas. Appendix B shows the layout of room 6-30.
3. Point of contact for this correspondence is 2LT Philip A. Hypes, DSN 464-7621 or commercial (502)624-7621.

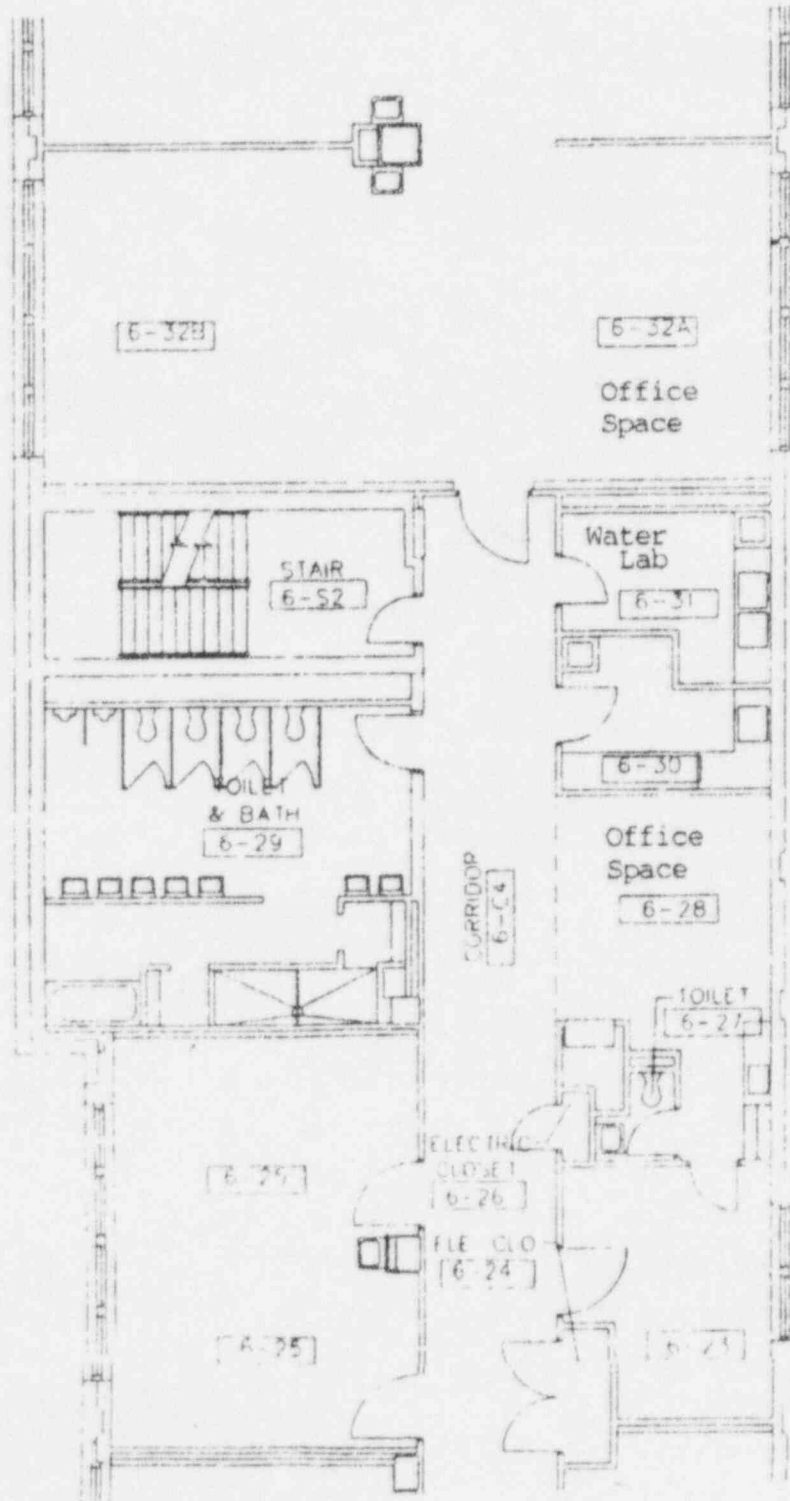
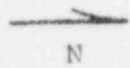
Encl

DALLAS C. HACK  
LTC, MC  
C, PMS/RCC Chair

# APPENDIX A

## Sixth Floor Layout

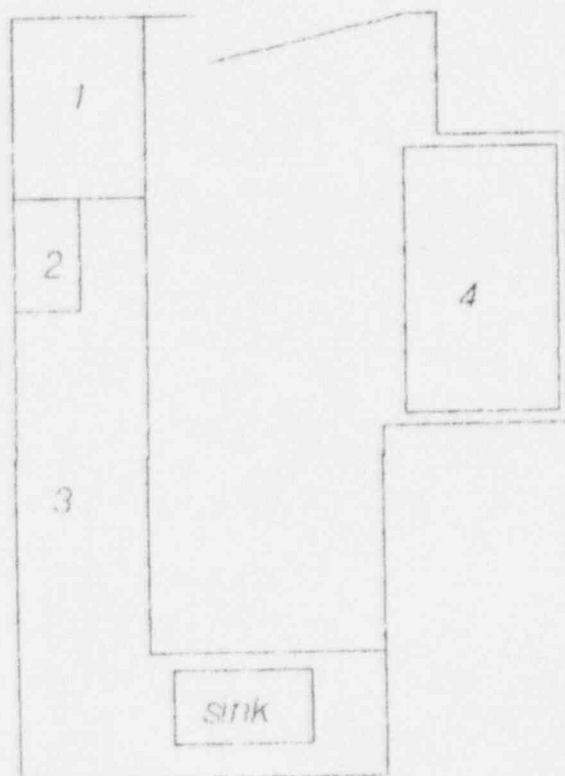
(Room 6-30  
is the new  
RPO Lab)



3/32"=1'



## APPENDIX B



- 1 Storage Cabinet
- 2 Shelves over Countertop
- 3 Countertop over cabinets
- 4 Gamma counter

$$1/4" = 1'$$



DEPARTMENT OF THE ARMY  
HEADQUARTERS, U.S. ARMY MEDICAL COMMAND  
2050 WORTH ROAD  
FORT SAM HOUSTON, TEXAS 78234-6000



REPLY TO  
ATTENTION OF

August 6, 1996

Preventive Medicine  
and Wellness Division

U.S. Nuclear Regulatory Commission  
Region II  
ATTN: Nuclear Materials Safety Section  
101 Marietta Street, Suite 2900  
Atlanta, Georgia 30323

Dear Sir or Madam:

The enclosure is a request from Ireland Community Hospital, Fort Knox, Kentucky (Nuclear Regulatory Commission License Number 16-03657-01, Amendment 43) to provide a copy of their new Quality Management Program (QMP) and to request deletion of the requirement for biannual monitoring of the negative pressure contained in one of the 27 January 1995 memoranda cited in the license.

I concur with these actions and request your consideration of these actions. If I can be of any further assistance, please do not hesitate to call me at Commercial (210) 221-6612.

Sincerely,

Eric G. Daxon, PhD, CHP  
Colonel, U.S. Army  
Radiation Protection Staff  
Officer

Enclosure

Copies Furnished:

Commander, U.S. Army Center for Health Promotion and  
Preventive Medicine, ATTN: MCHB-MR-HM,  
5158 Blackhawk Road, Aberdeen Proving Ground, MD  
21010-5422 (with enclosure)  
Commander, North Atlantic Regional Medical Command,  
Walter Reed Army Medical Center, Washington, DC  
20307-5000 (without enclosure)