

## ACCEPTANCE REVIEW MEMO (ARM)

**Licensee:** Dept of the Army (Wm  
Beaumont AMC)

**License No.:** 42-05255-07

**Docket No.:** 030-03260

**Mail Control No.:** 471450

**Type of Action:** Amend

**Date of Requested Action:** 07-10-07

**Reviewer  
Assigned:**

**ARM reviewer(s):** Torres

| Response | Deficiencies Noted During Acceptance Review   |
|----------|---|
|          | <p>[ ] Open ended possession limits. Limit possession. Submit inventory.</p> <p>[ ] Submit copies of most recent leak test results.</p> <p>[ ] Add - delete IC license condition. Add IC paragraph in cover letter.</p> <p>[ ] Split license from cover letter. Add SUNSI marking to license.</p> <p>[ ] Ask the licensee if they have any type-amount of EPAct Material.</p> |
|          |   |

**Reviewer's Initials:** \_\_\_\_\_

**Date:** \_\_\_\_\_

- ☐ Yes ☐ No      Unrestricted release Group 2 or >: Transfer memo to FCDB within 10 days.
- ☐ Yes ☐ No      Decommissioning notification should be completed within 30 days.
- ☐ Yes ☐ No      Termination request < 90 days from date of expiration
- ☐ Yes ☐ No      Expedite (medical emergency, no RSO, location of use/storage not on license, RAM in possession not on license, other)
- ☐ Yes ☐ No      TAR needed to complete action.

**Branch Chief's and/or Sr. HP's Initials:** \_\_\_\_\_

**Date:** \_\_\_\_\_

### SUNSI Screening according to RIS 2005-31

☐ Yes ☒ No      **Non-Publicly Available, Sensitive** if any item below is checked

General guidance:

- \_\_\_\_\_ RAM = or > than Category 3 (Table 1, RIS 2005-31), use Unity Rule
- \_\_\_\_\_ Exact location of RAM (whether = or > than Category 3 or not)
- \_\_\_\_\_ Design of structure and/or equipment (site specific)
- \_\_\_\_\_ Information on nearby facilities
- \_\_\_\_\_ Detailed design drawings and/or performance information
- \_\_\_\_\_ Emergency planning and/or fire protection systems

Specific guidance for medical, industrial and academic (above Category 3):

- \_\_\_\_\_ RAM quantities and inventory
- \_\_\_\_\_ Manufacturer's name and model number of sealed sources & devices
- \_\_\_\_\_ Site drawings with exact location of RAM, description of facility
- \_\_\_\_\_ RAM security program information (locks, alarms, etc.)
- \_\_\_\_\_ Emergency Plan specifics (routes to/from RAM, response to security events)
- \_\_\_\_\_ Vulnerability/security assessment/accident-safety analysis/risk assess
- \_\_\_\_\_ Mailing lists related to security response

**Branch Chief's and/or Sr. HP's Initials:** \_\_\_\_\_

**Date:** \_\_\_\_\_

AUG - 7 2007

## Pre-Licensing Screening

### Applicant Information:

Control No. 471450

|  |   |
|--|---|
| Name: Dept of the Army (Wm Beaumont AMC) | Type of Request: Amend<br>Program Code(s):          |
| Location: TX                             | License No.: 42-05255-07      Docket No.: 030-03260 |

### STEP 1—Radioactive Materials and Quantities Requested:

|   |           |
|---|-----------|
| <b>Instructions for Step 1: Complete Step 1 for all applications.</b> If all your responses in Step 1 are "No" then do not complete Step 2 (Screening Criteria). Sign and date the completed step-sheet and add it as the sensitive and non-publicly available OAR in ADAMS. If a "yes" response is indicated for any item in Step 1, also complete Step 2. If the type of use is subject to a Security Order or the requirements for increased controls, complete Step 3 (Item A or Item B) without delay.   | Yes or No |
| A. The request is from a new applicant.   | No        |
| B. NUREG-1556, Volume 20, Section 4.9 indicates a licensing site visit is needed for the requested type of use, e.g., (1) Type A broad scope license, (2) panoramic irradiator containing > 10000 curies, (3) manufacturers or distributors using unsealed radioactive material or significant quantities of sealed material, (4) radioactive waste brokers, (5) radioactive waste incinerators, (6) commercial nuclear laundries, and (7) any other application that in the judgement of the reviewer and cognizant supervisor involves complex technical issues, complex safety questions, or unprecedented issues that warrant a site visit. | No        |
| C. The applicant requested certain radionuclides and quantities that equal or exceed the Risk Significant Quantity (TBq) values in the table, below, that have been "highlighted" by the reviewer   | No        |

### Table of Risk Significant Quantities

(Category 2 Quantities, IAEA Safety Guide No. RS-G-1.9, Categorization of Radioactive Sources, August 2005)

| Radionuclide | Risk Significant Quantity (TBq <sup>1</sup> ) | Risk Significant Quantity (Ci <sup>1</sup> ) | Radionuclide        | Risk Significant Quantity (TBq <sup>1</sup> ) | Risk Significant Quantity (Ci <sup>1</sup> ) |
|--------------|---|--|---------------------|---|--|
| Am-241       | 0.6   | 16   | Pm-147              | 400   | 11,000                                       |
| Am-241/Be    | 0.6   | 16   | Pu-238              | 0.6   | 16   |
| Cf-252       | 0.2   | 5.4  | Pu-239/Be           | 0.6   | 16   |
| Cm-244       | 0.5   | 14   | Ra-226 <sup>2</sup> | 0.4   | 11   |
| Co-60        | 0.3   | 8.1  | Se-75               | 2   | 54   |
| Cs-137       | 1   | 27   | Sr-90 (Y-90)        | 10  | 270  |
| Gd-153       | 10  | 270  | Tm-170              | 200   | 5,400  |
| Ir-192       | 0.8   | 22   | Yb-169              | 3   | 81   |

<sup>1</sup> The primary values are TBq. The curie (Ci) values are for informational purposes only.

<sup>2</sup> The Atomic Energy Act, as amended by the Energy Policy Act of 2005, authorizes NRC to regulate Ra-226 and NRC is in the process of amending its regulations for discrete sources of Ra-226.

|  |                                 |
|--|---------------------------------|
| Calculations of the Total Activity or the Unity Rule are attached to document whether or not the screening criteria in Step 2 were also completed to evaluate the application.<br><b>NOTE—If an amendment of an existing license is being requested, the calculations will include the previously authorized quantities for the radionuclide(s).</b> | Yes, No, or Not Applicable (NA) |
| Total Activity—multiple activities are requested for a single radionuclide and the sum of the activities equals or exceeds the quantity of concern for the radionuclide  | _____                           |
| Unity Rule—multiple radionuclides are requested and the sum of the ratios equals or exceeds unity, e.g., [(total activity for radionuclide A) ÷ (risk significant quantity for radionuclide A)] + [(total activity for radionuclide B) ÷ (risk significant quantity for radionuclide B)] ≥ 1.0.  | _____                           |

### Signature and Date for Step 1:

License Reviewer and Date

AUG - 7 2007



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
WILLIAM BEAUMONT ARMY MEDICAL CENTER  
5005 N PIEDRAS ST  
EL PASO, TEXAS 79920-5001

RECEIVED  
JUL 23 2007  
DNMS

July 10, 2007

Department of Preventive Medicine  
Health Physics Service

U. S. Nuclear Regulatory Commission  
Nuclear Materials Licensing Section  
Attention: Ms. Jacqueline D. Cook  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011-8064

SUBJECT: William Beaumont Army Medical Center (WBAMC) NRC License Amendment Request, 42-05255-07  
for a New Radiation Safety Officer (RSO)

Dear Sir or Madam:

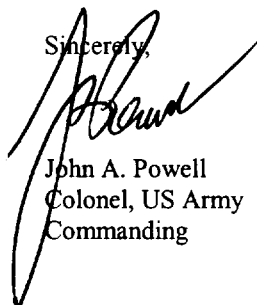
We request that NRC license number 42-055255-07 be amended and CPT Chris L. Pitts, United States Army, be approved as the WBAMC RSO. CPT Pitts has been an Army health physicist since June of 2002, serving as the Radiation Safety Officer at General Leonard Wood Army Hospital (NRC license 24-15095-01) from 2002 - 2004, and as the Health Physics Program Manager for the Center for Health Promotion and Preventive Medicine-Europe from 2005 - present, with oversight responsibility for medical radiation use throughout the Army health care system in Europe.

Captain Pitts holds a bachelor's degree in physics and a master's degree in health services administration. He has completed numerous professional development courses, including the Radiation Safety Officer, Radiological Emergency Team Operations, Basic Industrial Hygiene, and Medical X-ray Survey Techniques courses. The institution Radiation Safety Committee reviewed CPT Pitts' training and experience on 27 February 2007, and endorsed his appointment as RSO.

A delegation of authority memorandum, CPT Pitts' Curriculum Vitae, and a copy of the licence naming CPT Pitts as RSO are enclosed. We request that CPT Pitts be appointed as the RSO no earlier than 17 September 2007.

If we can be of further assistance please do not hesitate to contact our point of contact, Major Francis Fota at (915) 569-3161.

Sincerely,



John A. Powell  
Colonel, US Army  
Commanding

3 Enclosures  
as

Copy Furnished:  
Headquarters, Great Plains Regional Medical Command, ATTN: MCHE-DH (CPT WALKINGSTICK),  
2410 Stanley Rd., Building 1029, Fort Sam Houston, TX 78234-6230  
Director, Proponency Office for Preventive Medicine – San Antonio, Attention: MCPO-SA,  
2050 Worth Road, Suite 25, Fort Sam Houston, TX 78234-6025

4 7 1 4 5 0

MCHM-DPM-RP

MEMORANDUM FOR Radiation Safety Officer

SUBJECT: Delegation of Authority

1. Effective 17 September 2007, CPT Chris L. Pitts is appointed as Radiation Safety Officer for William Beaumont Army Medical Center and responsible for ensuring the safe use of radiation. You are responsible for managing the Radiation Safety Program; identifying radiation protection problems; initiating, recommending, or providing corrective actions; verifying implementation of corrective actions; stopping unsafe activities; and ensuring compliance with regulations. You are hereby delegated the authority necessary to meet those responsibilities, including prohibiting the use of byproduct material by employees who do not meet the necessary requirements and shutting down operations where justified by radiation safety. You are required to notify management if staff do not cooperate and do not address radiation safety issues. In addition, you are free to raise issues with the Nuclear Regulatory Commission at anytime. It is estimated that you will spend 40 hours per week conducting radiation safety activities.

Homer J. LeMay Jr.

Signature of Management Representative

I accept the above responsibilities,

A rectangular stamp containing a signature and the text "DIRECTOR" and "NRC" with a circular logo.

Signature of Radiation Safety Officer

cf: Radiation Control Committee

(Encl 1)

## CURRICULUM VITAE

**Chris L. Pitts**

CPT, MS

Date Prepared: 25 January 2007

1. **DATE OF BIRTH:**
2. **PLACE OF BIRTH**
3. **MARITAL STATUS:**
4. **CHILDREN:**
5. **PRESENT POSITION:** Medical Health Physics Program Manager USACHPPMEUR
6. **EXPERIENCE**
  - a. Radiation Safety Officer, General Leonard Wood Army Hospital, June 2002- Dec 2004
  - b. Medical Health Physics Program Manager, Jan 2005- Present
7. **EDUCATION:**
  - a. Civilian

M.HA. Health Services Management-Webster University, San Antonio TX, 2001

B.S. Physics – California University of Pennsylvania., California PA, 1987
  - b. Military
    - 1) Information Assurance Security Officer certification Course 2006
    - 2) Radiological Emergency Team Operations (DNWS-R005), Albuquerque, NM 2005
    - 3) Principles of Military Preventive Medicine Course (6AF5), Ft. Sam Houston TX, 2004
    - 4) Basic Industrial Hygiene Techniques Course (6H-F11), Ft. Sam Houston TX, 2004
    - 5) Medical X-Ray Survey Techniques Course, Ft. Sam Houston TX, 2003
    - 6) AMEDD Company Grade Pre- Command Course, Ft. Sam Houston TX, 2003
    - 7) Radiation Safety Officer Course, Ft. Leonard Wood MO, 2002
    - 8) AMEDD Basic Course, Ft. Sam Houston TX, 2002

(Encl 2)

## CURRICULUM VITAE

**Chris L. Pitts**

CPT, MS

Date Prepared: 25 January 2007

### b. Military (Cont)

- 9) Medical Management of Chemical and Biological Casualties, Ft. Hood TX, 2002
- 10) Equal Opportunity Leaders Course Ft. Campbell KY, 1997
- 11) Medical Laboratory Specialist (Advanced) Course, Ft. Sam Houston TX, 1995
- 12) Medical Laboratory Specialist (Basic) Course, Ft. Sam Houston TX, 1992
- 13) Tactical Satellite Microwave Systems Operators Course, Ft. Gordon GA, 1988
- 14) U.S. Army Enlisted Basic Training, Ft. Jackson SC. 1988

### 8. **MILITARY AWARDS AND COMMENDATIONS**

Meritorious Service Medal  
Army Commendation Medal (1OLC)  
Army Achievement Medal (3OLC)  
Good Conduct Medal (3OLC)  
National Defense Service Medal (2)  
NCO Professional Development Ribbon (2)  
Army service Ribbon (2)  
Overseas Service Ribbon  
Physical Fitness Excellence Award  
Expert Marksmanship Badge

### 9. **HONORS**

All-ARMY Speed Chess Champion 1999  
All-Army NATO Chess Team 1997, 1999  
Army Chief of Staff Coin  
U.S. Army Surgeon General Coin  
Army Medical Department Basic Course, Top 20%, 2002

### 10. **ORGANIZATIONS AND SOCIETIES**

Health Physics Society  
U.S. Golf Association  
U.S. Chess Federation  
Silver Caduceus Society

**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>Licensee</p> <p>1. Department of the Army<br/>General Leonard Wood Army Community Hospital</p> <p>2. 126 Missouri Avenue<br/>Fort Leonard Wood, MO 65473</p>   | <p>In accordance with the letter dated August 8, 2003,</p> <p>3. License number 24-15095-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date August 31, 2013</p> <p>5. Docket No. 030-08561<br/>Reference No.</p> |
| <p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material permitted by 10 CFR 35.100</p> <p>B. Any byproduct material permitted by 10 CFR 35.200 except xenon-133</p> <p>C. Any byproduct material permitted by 10 CFR 35.300</p> | <p>7. Chemical and/or physical form</p> <p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. As needed</p> <p>B. As needed</p> <p>C. 1000 millicuries</p>  |
| <p>9. Authorized Use:</p> <p>A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.</p> <p>B. Any imaging and localization study permitted by 10 CFR 35.200.</p> <p>C. Any diagnostic or therapy procedure permitted by 10 CFR 35.300.</p>       |   |

**CONDITIONS**

10. Licensed material may be used or stored only at the licensee's facilities located at General Leonard Wood Army Community Hospital, 126 Missouri Ave., Fort Leonard Wood, Missouri.
11. The Radiation Safety Officer for this license is Chris L. Pitts.

(Encl 3)

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
24-15095-01Docket or Reference Number  
030-08561

Amendment No. 40

12. Licensed material is only authorized for use by, or under the supervision of:

A. Individuals permitted to work as an authorized user, authorized nuclear pharmacist, and/or authorized medical physicist in accordance with 10 CFR 35.13 and 35.14;

B. The following individuals are authorized users for medical use:

Authorized UsersMaterial and Use

John Patrick Reinschmidt, M.D. 35.100, 35.200 and 35.300.

Adam J. Benson, M.D. 35.100, 35.200 and 35.300.

13. Pursuant to 10 CFR Part 40, "Domestic Licensing of Source Material," the licensee is authorized to possess, use, transfer, and import up to 999 kilograms of depleted uranium contained as shielding material.

14. 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. Any changes in the medical use radiation safety procedures as provided in 10 CFR 35.34, 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 January 29, 2002.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date SEP 29 2003

By *Toy L. Simmons*  
Toy L. Simmons  
Materials Licensing Branch  
Region III



This is to acknowledge the receipt of your letter/application dated  
07-10-07, and to inform you that the initial processing,  
which includes an administrative review, has been performed.

DATE

☒ There were no administrative omissions. Your application will be assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card:

The action you requested is normally processed within 90 days.

☐ A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 471450.  
When calling to inquire about this action, please refer to this mail control number.  
You may call me at 817-860-8103.

Sincerely,

*Colleen Murnahan*

Licensing Assistant

BETWEEN:

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

: (FOR LFMS USE)  
: INFORMATION FROM LTS  
: -----  
: Program Code: 02110  
: Status Code: 0  
: Fee Category: 7B  
: Exp. Date: 20130930  
: Fee Comments:  
: Decom Fin Assur Req'd: Y  
: .....

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: ARMY, DEPARTMENT OF THE  
Received Date: 20070723  
Docket No.: 3003260  
Control No.: 471450  
License No.: 42-05255-07  
Action Type: Amendment

2. FEE ATTACHED

Amount: \_\_\_\_\_  
Check No.:   /  

3. COMMENTS

Signed Colleen Murashan  
Date 8-02-07

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:

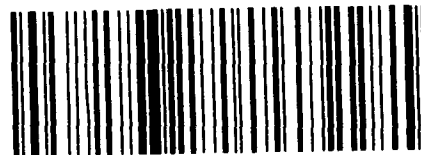
Amendment \_\_\_\_\_  
Renewal \_\_\_\_\_  
License \_\_\_\_\_

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

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

Commander

William Beaumont Army Medical Center  
ATTN: MCHM-DPM-RP (MAJ FOTA)  
5005 N. Piedras St.  
El Paso, TX 79920-5001



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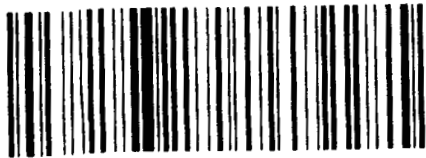
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REQUESTED**

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42-05255-07  
030-03260

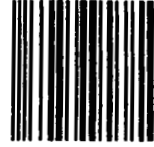
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U. S. Nuclear Regulatory Commission  
Nuclear Materials Licensing Section  
Attention: Ms. Jacqueline D. Cook  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011-8064

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