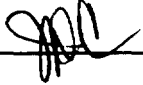



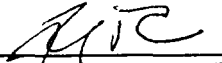
## ACCEPTANCE REVIEW MEMO

**Licensee:** Dept of Army (Madigan Army Med Ctr)  
**License No.:** 46-02645-01      **Docket No.:** 030-03368  
**Mail Control No.:** 470512  
**Type of Action:** Amend    **Date of Requested Action:** 04-06-05  
**Reviewer Assigned:** Cook    **Date Assigned to Reviewer:** 04-21-05  
**Reviewer(s) Who Performed Review:** Cook - Torres

| Response Received   | Deficiencies Noted During Acceptance Review               |
|---|---|
|  | 1. Captain Stewart needs delegation of authority for RSO. |
|   | 2.  |
|   | 3.  |
|   | 4.  |

**Reviewer's Initials:**       **Date:** 6/1/05  
**Branch Chief's and/or SR. HP's Initials:** ADG      **Date:** 6/1/05

|   |                             |   |
|---|-----------------------------|---|
| <input type="checkbox"/> Yes                          | <input type="checkbox"/> No | Action - decommissioning notification should be issued within 30 days.  |
| <input type="checkbox"/> Yes                          | <input type="checkbox"/> No | Termination request < 90 days from date of expiration   |
| <input type="checkbox"/> Yes                          | <input type="checkbox"/> No | Action to be expedited  |
|   |                             | <input type="checkbox"/> Medical emergency<br><input type="checkbox"/> Licensee in noncompliance (i.e. no RSO, location of use/storage not on license, radioactive material in possession not on license)<br><input type="checkbox"/> National Security<br><input type="checkbox"/> Other ( _____ ) |
| <b>Branch Chief's and/or Sr. HP's Initials:</b> _____ |                             | <b>Date:</b> _____  |

| SISP Review  |  |   |
|--|--|---|
| <input type="checkbox"/> Yes   | <input checked="" type="checkbox"/> No | <b>Non-Publicly Available, Sensitive</b> if <u>any</u> item below is checked<br><input type="checkbox"/> Radionuclides, forms, and quantities<br><input type="checkbox"/> Location of RAM<br><input type="checkbox"/> Building drawings with locations of RAM<br><input type="checkbox"/> Security of RAM (locks, alarms, etc.)<br><input type="checkbox"/> SS&D Catalog information<br><input type="checkbox"/> Specifics of Emergency Plan (routes to and from RAM, response to security events, etc.)<br><input type="checkbox"/> Safeguards Information |
| <b>Branch Chief's and/or Sr. HP's Initials:</b> <u></u> |  | <b>Date:</b> <u>4/21/05</u>   |

*June 2005*  
MAY 1 2 05



**Health Physics Office  
Madigan Army Medical Center  
Tacoma, WA 98431  
(253)968-4300/4295/4302**

# Fax

|                        |                          |
|------------------------|--------------------------|
| <b>To:</b> Jackie Cook | <b>From:</b> MAJ Rynders |
| <b>Fax:</b>            | <b>Pages:</b>            |
| <b>Phone:</b>          | <b>Date:</b>             |
| <b>Re:</b>             | <b>CC:</b>               |

Urgent     For Review     Please Comment     Please Reply     Please Recycle

● **Comments:**

Ma'am,

I have attached a copy of the Appointment Orders for CPT Stewart per your request.

Please give me a call when you get this message at 253-968-4300

Respectfully,

MAJ Rynders



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TEXAS 76011-8064

F A C S I M I L E



**Name:** MAJ David Rynders  
**Organization:** Department of the Army  
Madigan Army Medical Center  
License No. 46-02645-03  
Docket No. 030-03368  
Control No. 470512

**Fax:** 253-968-4301  
**Phone:** 253-968-4300  
**From:** Jacqueline D. Cook  
**Date:** May 13, 2005  
**Subject:** Letter dated April 6, 2005 for License Amendment  
**Pages:** 2 (5 with Appendix I of NUREG-1556, Vol. 9)

MAJ Rynders:

Per your letter dated April 6, 2005, the item on the next page is a deficiency which requires your response. Please respond to this fax no later than close of business Thursday, May 26, 2005. Our fax number is (817) 860-8263. Please note that I will be out of the office Monday, May 16, 2005, returning to the office on the afternoon of Friday, May 20, 2005. If you have any questions regarding this fax, please call me at 817-860-8132, upon my return to the office. When responding to this fax, please include the license, docket and control numbers located at the top of this page.

Thank you for your cooperation and assistance in expediting this matter.

A handwritten signature in cursive script that reads "Jacqueline D. Cook".

Jacqueline D. Cook  
Senior Health Physicist

Department of the Army  
Madigan Army Medical Center

-2-

1. Please submit a completed Radiation Safety Officer (RSO) Delegation of Authority for the proposed RSO, CPT Harry Stewart, Jr. Please note that a model RSO Delegation of Authority can be found in Appendix I of NUREG-1556, Vol. 9, *Program Specific Guidance about Medical Use Licenses*. (Please see the following link for NUREG-1556, Vol. 9: <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v9/>).

From your letter dated April 6, 2005, it is our understanding that the effective date of the change in RSO will be July 5, 2005. Please notify this office immediately if your understanding of this is different from ours.

MCHJ-PVR (11-9b)

24 May 2005

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Appointment for Madigan Army Medical Center's Radiation Safety Officer

1. Effective on 5 July 2005, CPT Mike Stewart, is appointed the Madigan Army Medical Center's Radiation Protection Officer and is responsible for ensuring the safe use of radiation. You are responsible for managing the radiation protection 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 requirements, 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 meet radiation safety issues. In addition, you are free to raise issues with the Nuclear Regulatory Commission at any time. It is estimated that you will spend 30 hours per week conducting radiation protection activities.

2. References:

- a. Title 10 Code of Federal Regulations, Part 35
- b. NUREG-1556, Volume 9, Specific Guidance About Medical Use Licenses
- c. Nuclear Regulatory Commission (NRC) License # 46-0265-03
- d. Army Regulation 11-9 and 40-42
- e. Madigan Army Medical Center Regulation 40-48

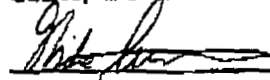
3. Period: Until officially relieved or duration of NRC license



GEORGE B. MCCLURE  
COL, MC  
Deputy Commander for Clinical Services  
(NRC License Management)

DISTRUBUTION:  
Individual Concerned  
PAC  
Radiation Control Committee

I, Mike Stewart, do acknowledge and accept the appointment with the outlined responsibility, duties, and authorities



Date 24 May 05

## **APPENDIX I**

### **Typical Duties and Responsibilities of the Radiation Safety Officer and Sample Delegation of Authority**

## **Typical Duties and Responsibilities of the Radiation Safety Officer and Sample Delegation of Authority**

### **Model RSO Duties and Responsibilities**

The RSO's duties and responsibilities include ensuring radiological safety and compliance with NRC and DOT regulations and the conditions of the license. Model procedures for describing the RSO's duties and responsibilities appear below. Applicants may either adopt these model procedures or develop alternative procedures to meet the requirements of 10 CFR 35.24. Typically, these duties and responsibilities include ensuring the following:

- Stopping unsafe activities involving licensed material;
- Radiation exposures are ALARA;
- Up-to-date radiation protection procedures in the daily operation of the licensee's byproduct material program are developed, distributed, and implemented;
- Possession, use, and storage of licensed material is consistent with the limitations in the license, the regulations, the SSDR Certificate(s), and the manufacturer's recommendations and instructions;
- Individuals installing, relocating, maintaining, adjusting, or repairing devices containing sealed sources are trained and authorized by an NRC or Agreement State license;
- Personnel training is conducted and is commensurate with the individual's duties regarding licensed material;
- Documentation is maintained to demonstrate that individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits or that personnel monitoring devices are provided;
- When necessary, personnel monitoring devices are used and exchanged at the proper intervals, and records of the results of such monitoring are maintained;
- Licensed material is properly secured;
- Documentation is maintained to demonstrate, by measurement or calculation, that the total effective dose equivalent to the individual likely to receive the highest dose from the licensed operation does not exceed the annual limit for members of the public;
- Proper authorities are notified of incidents such as loss or theft of licensed material, damage to or malfunction of sealed sources, and fire;
- Medical events and precursor events are investigated and reported to NRC, and cause(s) and appropriate corrective action(s) are identified, and timely corrective action(s) are taken;

APPENDIX I

- Audits of the radiation protection program are performed at least annually and documented;
- If violations of regulations, license conditions, or program weaknesses are identified, effective corrective actions are developed, implemented, and documented;
- Licensed material is transported, or offered for transport, in accordance with all applicable DOT requirements;
- Licensed material is disposed of properly;
- Appropriate records are maintained; and
- An up-to-date license is maintained and amendment and renewal requests are submitted in a timely manner.

**Model Delegation of Authority**

Memo To: Radiation Safety Officer  
From: Chief Executive Officer  
Subject: Delegation of Authority

You, \_\_\_\_\_, have been appointed Radiation Safety Officer and are responsible for ensuring the safe use of radiation. You are responsible for managing the radiation protection 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 any time. It is estimated that you will spend \_\_\_\_\_ hours per week conducting radiation protection activities.

I accept the above responsibilities,

\_\_\_\_\_  
Signature of Management Representative

\_\_\_\_\_  
Signature of Radiation Safety Officer

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

cc: Affected department heads





DEPARTMENT OF THE ARMY  
MADIGAN ARMY MEDICAL CENTER  
TACOMA, WASHINGTON 98431-1100

REPLY TO  
ATTENTION OF

MCHJ-PVR

6 April 2005

MEMORANDUM FOR Nuclear Materials Licensing Section, U.S. Nuclear Regulatory Commission, Region IV, 611 Ryan Plaza Drive, Suite 400, Arlington, Texas 76011-8064

SUBJECT: Request for Amendment of United States Nuclear Regulatory Commission Byproduct Material License Number 46-02645-03

1. Request NRC License 46-02645-03 be amended by replacement of the current Radiation Protection Officer, MAJ David Rynders, with CPT Harry M Stewart Jr. CPT Stewart's training and experience (encl) has been reviewed and approved by our Radiation Control Committee. Effective date of the change will be 5 July 2005.

2. Point of contact for this action is the Radiation Protection Officer, Madigan Army Medical Center, commercial phone (253) 968-4300/253-968-4301

Encl

GEORGE B. MCCLURE  
Colonel, MC

Deputy Commander for Clinical Services  
Chairman, Radiation Control Committee

Marc G. Cote  
COL MC  
Acting DCCS

APR 19 2005

470512

**TRAINING AND EXPERIENCE AND PRECEPTOR STATEMENT**

**PART I -- TRAINING AND EXPERIENCE**

**Note:** Descriptions of training and experience must contain sufficient detail to match the training and experience criteria in the applicable regulations.

1. Name of Individual, Proposed Authorization (e.g., Radiation Safety Officer), and Applicable Training Requirements (e.g., 10 CFR 35.50)

Harry M. Stewart Jr.  
Radiation Safety Officer  
10 CFR 35.50

2. For Physicians, Podiatrists, Dentists, Pharmacists -- State or Territory Where Licensed

**3. CERTIFICATION**

| Specialty Board | Category | Month and Year Certified |
|-----------------|----------|--------------------------|
|                 |          |                          |

*Stop here when using Board Certification to meet 10 CFR Part 35 training and experience requirements.*

**4. DIDACTIC OR CLASSROOM AND LABORATORY TRAINING (optional for Medical Physicists)**

| Description of Training  | Location  | Clock Hours            | Dates of Training                 |
|--|---|------------------------|-----------------------------------|
| Radiation Physics and Instrumentation                              | 1) Kansas State U, Manhattan, Ks<br>2) Academy of Health Sciences, Ft. Sam Houston, TX<br>3) Academy of Health Sciences         | 6<br>30<br>2           | 1991-1994<br>1998<br>1999         |
| Radiation Protection   | 1) Kansas State U<br>2) Academy of Health Sciences<br>3) Academy of Health Sciences<br>4) Army Material Command, Ft Belvoir, VA | 17<br>32<br>10.5<br>40 | 1991-1994<br>1998<br>1999<br>1998 |
| Mathematics Pertaining to the Use and Measurement of Radioactivity | 1) Kansas State U<br>2) Academy of Health Sciences<br>3) Academy of Health Sciences   | 21<br>19<br>5.5        | 1991-1994<br>1998<br>1999         |
| Radiation Biology  | 1) Kansas State U<br>2) Academy of Health Sciences<br>3) Academy of Health Sciences   | 15<br>11<br>4          | 1991-1994<br>1998<br>1999         |
| Chemistry of Byproduct Material for Medical Use                    | 1) Academy of Health Sciences<br>2) University of Texas Health Science Center at San Antonio, TX                                | 8<br>20                | 1998<br>1999                      |
| OTHER  |   |                        |                                   |



**TRAINING AND EXPERIENCE AND PRECEPTOR STATEMENT (continued)**

**5a. WORK EXPERIENCE WITH RADIATION**

| Description of Experience   | Name of Supervising Individual(s)               | Location and Corresponding Materials License Number                   | Dates and Clock Hours of Experience |
|---|---|---|-------------------------------------|
| Radiation Safety Officer, Limited Medical License Byproduct material under 10 CFR 35.100, 200 and 300. See attached CV              | MAJ Robert Newsom<br>Chief, Preventive Medicine | Moncrief Army Hosp<br>Ft Jackson, SC<br>No. 39-14873-01               | June 2000 to<br>August 2003         |
| Staff Health Physicist, Broad Scope Medical License. Byproduct material under 10 CFR 35.100, 200, 300, 400 and 600. See attached CV | LTC Walter Loring<br>Radiation Safety Officer   | Brooke Army Medical<br>Center, Ft Sam Houston,<br>TX, No. 42-01368-01 | June 1998 to<br>May 2000            |
|   |   |   |                                     |
|   |   |   |                                     |
|   |   |   |                                     |
|   |   |   |                                     |
|   |   |   |                                     |
|   |   |   |                                     |

**5b. SUPERVISED CLINICAL CASE EXPERIENCE**

| Radionuclide | Type of Use | No. of Cases Involving Personal Participation | Name of Supervising Individual | Location and Corresponding Materials License Number | Dates and Clock Hours of Experience |
|--------------|-------------|---|--------------------------------|---|-------------------------------------|
|              |             |   |                                |   |                                     |
|              |             |   |                                |   |                                     |
|              |             |   |                                |   |                                     |
|              |             |   |                                |   |                                     |
|              |             |   |                                |   |                                     |
|              |             |   |                                |   |                                     |
|              |             |   |                                |   |                                     |
|              |             |   |                                |   |                                     |

TRAINING AND EXPERIENCE AND PRECEPTOR STATEMENT (continued)

PART II -- PRECEPTOR STATEMENT

**Note:** This part must be completed by the individual's preceptor. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each. This part is not required to meet the training requirements in 10 CFR 35.590.

Item 10 must be completed for Nuclear Pharmacists meeting the requirements of 10 CFR Part 35, Subpart J. Preceptors do not have to complete items 11a, 11b, or the certifying statements for other individuals meeting the requirements of 10 CFR Part 35, Subpart J.

YES 10. The individual named in item 1 has satisfactorily completed the training requirements in  
 N/A 10 CFR 35.980 and is competent to independently operate a nuclear pharmacy.

YES 11a. The individual named in Item 1 has satisfactorily completed the requirements in Part 35, Section(s)  
 N/A and Paragraph(s) 10 CFR 35.50

YES 11b. The individual named in Item 1. is competent to independently function as an authorized  
 N/A \_\_\_\_\_ for \_\_\_\_\_ uses (or units).

12. PRECEPTOR APPROVAL AND CERTIFICATION

I certify the approval of item 10 and certify I am an Authorized Nuclear Pharmacist;

or

I certify the approval of items 11a and 11b, and certify I am an Authorized Nuclear Pharmacist;

or

I certify the approval of Items 11a and 11b, and I certify that I meet the requirements of 10 CFR 35.50  
or equivalent Agreement State requirements to be a preceptor authorized Radiation Safety Officer  
for the following uses (or units) of byproduct material: medical broad scope

A. Address  
Brooke Army Medical Center  
1351 Roger Brooke Drive  
Fort Sam Houston, TX 78234

B. Materials License Number  
42-01368-01

C. NAME OF PRECEPTOR (print clearly)  
COL Walter S. Loring, CHP

D. SIGNATURE -- PRECEPTOR  
*Walter S. Loring*

E. DATE  
03/18/2005

CPT HARRY M. STEWART

## CURRICULUM VITAE

**H. Michael Stewart Jr.**  
CPT, Medical Service Corps

### EDUCATION

Master of Science in Radiation Health Physics, Oregon State University, expected graduation date, June 2005.

Bachelor of Science in Nuclear Engineering, Kansas State University, May 1994.

### EXPERIENCE

Moncrief Army Community Hospital, Fort Jackson, SC

**Radiation Safety Officer**

June 2000 – August 2003

Served as the Radiation Safety Officer for the hospital and administered the radiation protection program for a limited scope medical license (License number 39-14873-01, Docket number 030-08195). Monitored compliance with Nuclear Regulatory Commission License provisions and Department of the Army Radiation Authorizations. Performed professional health physics assessments of radiological activities, including by-product material use; x-ray generating devices; non-ionizing radiation sources; and environmental releases. Provided initial and annual training to occupational radiation workers and ancillary personnel. Reviewed and investigated occupational radiation doses. Promoted the ALARA philosophy. Provided technical leadership and guidance to assigned health physics staff. Drafted license amendments, local requirement documents and standard operating procedures for the safe use of ionizing radiation.

Brooke Army Medical Center, Fort Sam Houston, TX

**Staff Health Physicist**

June 1998 – May 2000

Assisted the Radiation Safety Officer in administering the medical center's radiation protection program for a broad scope medical license (License number 42-01368-01, Docket number 030-03258). Performed health physics assessments of radiological activities, including by-product material use; x-ray generating devices; non-ionizing radiation sources; and environmental releases. Provided training to occupational radiation workers. Reviewed and investigated occupational radiation doses. Promoted the ALARA philosophy. Provided technical leadership and guidance to assigned health physics staff members and students. Conducted radiation protection consultations and assessments at nine supported medical treatment facilities within the Great Plains Regional Medical Command. Drafted local requirement documents and protocols for the safe use of ionizing radiation.

Dynamac Corporation

**Environmental Specialist**

September 1996 – February 1998

Member of Dynamac staff at the Directorate of Environment and Safety, Fort Riley, KS. Assisted in the daily operations of the Pollution Prevention Program for Fort Riley. Conducted Pollution Prevention Opportunity Assessments of various post operations. Implemented the Pollution Prevention Plan in order to meet and exceed required waste reduction goals.

Investigated waste minimization techniques including the implementation of recycling and consignment programs, changes in the Unit of Issue of material, and the development of better management practices. Assisted other programs and divisions with pollution prevention projects and assisted in the preparation of annual EPCRA reports.

### **HEALTH PHYSICS TRAINING**

| <u>Course/Location</u>  | <u>Date</u>      | <u>Hours</u> |
|---|------------------|--------------|
| Radioisotope User's Course, University of Texas Health Science Center at San Antonio, San Antonio, TX | 14-25 June 1999  | 20           |
| Medical X-ray Survey Techniques Course, Academy of Health Sciences, U.S. Army, Ft. Sam Houston, TX    | 12-23 April 1999 | 80           |
| Radiation Protection Program Management, Army Material Command, Ft. Belvoir, VA                       | 20-24 July 1998  | 40           |

### **SPECIALIZED TRAINING**

| <u>Course/Location</u>  | <u>Date</u>                     | <u>Hours</u> |
|---|---------------------------------|--------------|
| AMEDD Officer Advance Course, U.S. Army Academy of Health Sciences, Ft. Sam Houston, TX   | 15 July – 13 September 2002     |              |
| Combined Humanitarian Assistance Response Training U.S. Army Medical Command, San Antonio, TX   | 7-10 December 1999              | 27           |
| Medical Management of Chemical and Biological Casualties Course, U.S. Army Medical Command, Aberdeen Proving Ground and Ft. Detrick, MD | 23-29 October 1999              | 46           |
| Basic Industrial Hygiene Techniques Course, U.S. Army Academy of Health Sciences, Ft. Sam Houston, TX                                   | 8-22 October 1998               | 80           |
| Principle of Military Preventive Medicine Course, U.S. Army Academy of Health Sciences, Ft. Sam Houston, TX                             | 14 September – 17 November 1998 |              |
| AMEDD Officer Basic Course, U.S. Army Academy of Health Sciences, Ft. Sam Houston, TX   | 16 March – 29 May 1998          |              |

### **PROFESSIONAL AFFILIATION**

National Health Physics Society  
American Nuclear Society

JUN - 7 2005

DATE

This is to acknowledge the receipt of your letter/application dated 4/26/05, and to inform you that the initial processing, which includes an administrative review, has been performed.

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 470512.  
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: 02240  
: Status Code: 0  
: Fee Category: EX 7C 2B  
: Exp. Date: 20101031  
: Fee Comments: NOT BROAD PER REGION V  
: Decom Fin Assur Req'd: N  
:.....

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED ARMY, DEPARTMENT OF THE

Applicant/Licensee: 20050419  
Received Date: 3003368  
Docket No: 470512  
Control No.: 46-02645-03  
License No.:  
Action Type: Amendment

2. FEE ATTACHED

Amount:  
Check No.: /

3. COMMENTS

Signed *Alfred M. ...*  
Date 07/20/05

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 \_\_\_\_\_