



DEPARTMENT OF THE ARMY
WALTER REED ARMY MEDICAL CENTER
WALTER REED HEALTH CARE SYSTEM
WASHINGTON DC 20307-5001

REPLY TO
ATTENTION OF

March 5, 2010

Health Physics Office

Nuclear Regulatory Commission, Region I
Medical Licensing Division
475 Allendale Road
King of Prussia, Pennsylvania 19406-1415

Dear Sir or Madam:

Walter Reed Army Medical Center uses radioactive material authorized by U.S. Nuclear Regulatory Commission (NRC) Byproduct Material License number 08-01738-02 with an expiration date of April 30, 2015.

Please disregard the submission dated 26 February 2010 and process this request changing the Radiation Safety Officer on the license from COL Mark Melanson to MAJ Andrew Scott. MAJ Scott has been a Branch Chief in the Health Physics Office here at Walter Reed (WRAMC) for three years. His training and experience has been reviewed and approved by the WRAMC Radiation Safety Committee

We have enclosed MAJ Scott's NRC FORM 313A (RSO) and Curriculum Vitae.

We also request expedited processing as COL Melanson may be leaving in as little as a month, and that a copy of the approved amendment be faxed to (202) 356-0086.

For additional information, please contact the undersigned at (202) 356-0058 or Mr. David Burton at (202) 356-0062.

Sincerely,

Mark A. Melanson
Mark A. Melanson, Ph.D., CHP
Colonel, US Army
Radiation Safety Officer

2 Enclosures

G-8

03001317

RECEIVED
REGION I
2010 MAR 11 PM 12:24

144480

**RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE
AND PRECEPTOR ATTESTATION
[10 CFR 35.50]**

APPROVED BY OMB: NO. 3150-0120
EXPIRES: 3/31/2012

Name of Proposed Radiation Safety Officer

Andrew L. Scott, MS

Requested Authorization(s) *The license authorizes the following medical uses (check all that apply):*

- 35.100
 35.200
 35.300
 35.400
 35.500
 35.600 (remote afterloader)
 35.600 (teletherapy)
 35.600 (gamma stereotactic radiosurgery)
 35.1000 (_____)

**PART I -- TRAINING AND EXPERIENCE
(Select one of the four methods below)**

*Training and Experience, including board certification, must have been obtained within the 7 years preceding the date of application or the individual must have obtained related continuing education and experience since the required training and experience was completed. Provide dates, duration, and description of continuing education and experience related to the uses checked above.

1. Board Certification

- a. Provide a copy of the board certification.
- b. Use Table 3.c. to describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license.
- c. Skip to and complete Part II Preceptor Attestation.

OR

2. Current Radiation Safety Officer Seeking Authorization to Be Recognized as a Radiation Safety Officer for the Additional Medical Uses Checked Above

- a. Use the table in section 3.c. to describe training in radiation safety, regulatory issues, and emergency procedures for the additional types of medical use for which recognition as RSO is sought.
- b. Skip to and complete Part II Preceptor Attestation.

OR

3. Structured Educational Program for Proposed Radiation Safety Officer

a. Classroom and Laboratory Training

Description of Training	Location of Training	Clock Hours	Dates of Training*
Radiation physics and instrumentation	Clemson University	300	Aug 03 - Aug 06
Radiation protection			
Mathematics pertaining to the use and measurement of radioactivity			
Radiation biology			
Radiation dosimetry			
Total Hours of Training:		300.0	

Encl 1

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Structured Educational Program for Proposed Radiation Safety Officer (continued)

b. Supervised Radiation Safety Experience

(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)

Description of Experience	Location of Training/ License or Permit Number of Facility	Dates of Training*
Shipping, receiving, and performing related radiation surveys	Walter Reed Army Medical Center 08-01738-02	Sep 06-Present
Using and performing checks for proper operation of instruments used to determine the activity of dosages, survey meters, and instruments used to measure radionuclides	Walter Reed Army Medical Center 08-01738-02	Sep 06-Present
Securing and controlling byproduct material	Walter Reed Army Medical Center 08-01738-02	Sep 06-Present
Using administrative controls to avoid mistakes in administration of byproduct material	Walter Reed Army Medical Center	Sep 06-Present
Using procedures to prevent or minimize radioactive contamination and using proper decontamination procedures	Walter Reed Army Medical Center 08-01738-02	Sep 06-Present
Using emergency procedures to control byproduct material	Walter Reed Army Medical Center 08-01738-02	Sep 06-Present
Disposing of byproduct material	Walter Reed Army Medical Center 08-01738-02	Sep 06-Present
Licensed Material Used (e.g., 35.100, 35.200, etc.)+ 35.100, 35.200, 35.300, 35.400 _____ _____ _____	Walter Reed Army Medical Center 08-01738-02	Sep 06-Present

+ Choose all applicable sections of 10 CFR Part 35 to describe radioisotopes and quantities used: 35.100, 35.200, 35.300, 35.400, 35.500, 35.600 remole afterloader units, 35.600 teletherapy units, 35.600 gamma stereotactic radiosurgery units, emerging technologies (provide list of devices).

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Structured Educational Program for Proposed Radiation Safety Officer (continued)

b. Supervised Radiation Safety Experience (continued)

(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)

Supervising Individual COL Mark A. Melanson	License/Permit Number listing supervising individual as a Radiation Safety Officer 08-01738-02
This license authorizes the following medical uses:	
<input checked="" type="checkbox"/> 35.100 <input checked="" type="checkbox"/> 35.200 <input checked="" type="checkbox"/> 35.300 <input checked="" type="checkbox"/> 35.400 <input type="checkbox"/> 35.500 <input type="checkbox"/> 35.600 (remote afterloader) <input type="checkbox"/> 35.600 (teletherapy) <input type="checkbox"/> 35.600 (gamma stereotactic radiosurgery) <input type="checkbox"/> 35.1000 (_____)	

c. Describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license.

Description of Training	Training Provided By	Dates of Training*
Radiation safety, regulatory issues, and emergency procedures for 35.100, 35.200, and 35.500 uses	COL Mark A. Melanson (Does not include 35.500 uses)	Sep 06-Present
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses	COL Mark A. Melanson	Sep 06-Present
Radiation safety, regulatory issues, and emergency procedures for 35.400 uses	COL Mark A. Melanson	Sep 06-Present
Radiation safety, regulatory issues, and emergency procedures for 35.600 - teletherapy uses		
Radiation safety, regulatory issues, and emergency procedures for 35.600 - remote afterloader uses		
Radiation safety, regulatory issues, and emergency procedures for 35.600 - gamma stereotactic radiosurgery uses		
Radiation safety, regulatory issues, and emergency procedures for 35.1000, specify use(s):		

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. Structured Educational Program for Proposed Radiation Safety Officer (continued)

c. Training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license (continued)

Supervising Individual <i>If training was provided by supervising RSO, AU, AMP, or ANP. (If more than one supervising individual is necessary to document supervised training, provide multiple copies of this page.)</i>	License/Permit Number listing supervising individual
COL Mark A. Melanson	08-01738-02
License/Permit lists supervising individual as:	
<input checked="" type="checkbox"/> Radiation Safety Officer <input type="checkbox"/> Authorized User <input type="checkbox"/> Authorized Nuclear Pharmacist <input type="checkbox"/> Authorized Medical Physicist	
Authorized as RSO, AU, ANP, or AMP for the following medical uses:	
<input checked="" type="checkbox"/> 35.100 <input checked="" type="checkbox"/> 35.200 <input checked="" type="checkbox"/> 35.300 <input checked="" type="checkbox"/> 35.400 <input type="checkbox"/> 35.500 <input type="checkbox"/> 35.600 (remote afterloader) <input type="checkbox"/> 35.600 (teletherapy) <input type="checkbox"/> 35.600 (gamma stereotactic radiosurgery) <input type="checkbox"/> 35.1000 (_____)	

d. Skip to and complete Part II Preceptor Attestation.

OR

4. Authorized User, Authorized Medical Physicist, or Authorized Nuclear Pharmacist identified on the licensee's license

- a. Provide license number.
- b. Use the table in section 3.c. to describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license.
- c. Skip to and complete Part II Preceptor Attestation.

PART II – PRECEPTOR ATTESTATION

Note: This part must be completed by the individual's preceptor. The preceptor does not have to be the supervising individual as long as the preceptor provides, directs, or verifies training and experience required. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each.

First Section

Check one of the following:

1. Board Certification

I attest that _____ has satisfactorily completed the requirements in
Name of Proposed Radiation Safety Officer

10 CFR 35.50(a)(1)(i) and (a)(1)(ii); or 35.50 (a)(2)(i) and (a)(2)(ii); or 35.50(c)(1).

OR

2. Structured Educational Program for Proposed Radiation Safety Officers

I attest that Andrew L. Scott, MS has satisfactorily completed a structural educational
Name of Proposed Radiation Safety Officer

program consisting of both 200 hours of classroom and laboratory training and one year of full-time radiation safety experience as required by 10 CFR 35.50(b)(1).

OR

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

Preceptor Attestation (continued)

First Section (continued)

Check one of the following:

3. Additional Authorization as Radiation Safety Officer

I attest that _____ is an

Name of Proposed Radiation Safety Officer

Authorized User

Authorized Nuclear Pharmacist

Authorized Medical Physicist

identified on the Licensees license and has experience with the radiation safety aspects of similar type of use of byproduct material for which the individual has Radiation Safety Officer responsibilities

AND

Second Section

Complete for all (check all that apply):

I attest that Andrew L. Scott, MS has training in the radiation safety, regulatory issues, and

Name of Proposed Radiation Safety Officer

emergency procedures for the following types of use:

35.100

35.200

35.300 oral administration of less than or equal to 33 millicuries of sodium iodide I-131, for which a written directive is required

35.300 oral administration of greater than 33 millicuries of sodium iodide I-131

35.300 parenteral administration of any beta-emitter, or a photon-emitting radionuclide with a photon energy less than 150 keV for which a written directive is required

35.300 parenteral administration of any other radionuclide for which a written directive is required

35.400

35.500

35.600 remote afterloader units

35.600 teletherapy units

35.600 gamma stereotactic radiosurgery units

35.1000 emerging technologies, including:

RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

AND

**Third Section
Complete for ALL**

I attest that Andrew Lee Scott, MS has achieved a level of radiation safety knowledge
Name of Proposed Radiation Safety Officer
sufficient to function independently as a Radiation Safety Officer for a medical use licensee.

**Fourth Section
Complete the following for Preceptor Attestation and signature**

I am the Radiation Safety Officer for Walter Reed Army Medical Center
Name of Facility

License/Permit Number: 08-01738-02

Name of Preceptor	Signature	Telephone Number	Date
COL Mark A. Melanson		(202) 356-0060	03/05/2010

Curriculum Vitae
Andrew L. Scott
MAJ, MS

Education-

Doctoral Degree Candidate, Environmental Engineering and Science, Clemson University, Aug 2003 - Present.

Master of Science, Environmental and Occupational Health, University of Pittsburgh, Sep 1993 - Aug 1996.

Undergraduate Studies (no degree awarded), Physics, University of Pittsburgh, Sep 1989 - May 1993.

Certifications-

Passed the Part I examination of the American Board of Health Physics, Jun 2002.

Experience-

Aug 2006 - Present, Chief, Operations Branch, Health Physics Office, Walter Reed Army Medical Center, Washington, DC.

Oct 2000 - Jul 2003, Instructor, Nuclear, Biological and Chemical Sciences Branch, Academy of Health Sciences, U.S. Army Medical Department Center and School, Ft. Sam Houston, TX.

Jan 1997 - Oct 2000, Project Manager, Health Physics Program, U.S. Army Center for Health Promotion and Preventive Medicine, Aberdeen Proving Ground, MD.

Other Work of Note-

Jan 2002 - Jul 2003, Radiation Safety Officer, Army Medical Department Center and School, Fort Sam Houston, Texas.

May 2003 - Member, Weapons of Mass Destruction Preparedness Training Team, U.S State Department, Jakarta, Indonesia.

Oct 2000 - Jul 2003, Secretary, Working Team 4 (Medical), NBC Defense Work Group (Joint Services Sub-Group, NATO Training Group)- NBCDefWG(JSSG/NTG).

Mar 2000, Chief, Technical Operations, Depleted Uranium Survey and Sampling Team, Kosovo.

Affiliations-

Member, American Association of Physicists in Medicine, June 2007 – Present

Member, American Nuclear Society, Jan 2003 - Present

Member, Health Physics Society, Jan 1994 - Present

Awards and Recognition-

Rookie of the Year- Professional, Silver Award. 1998 Excellence in Federal Career Awards, Baltimore Federal Executive Board. May 1998.

Best Master's Thesis of the Year, Department of Environmental and Occupational Health. Delta Omega Society, Omicron Chapter, Graduate School of Public Health, University of Pittsburgh. Mar 1997.

Publications and Presentations-

“Lessons Learned by the U.S. Army Radiological Advisory Medical Team at Vigilant Shield 2007.” Paper presented at the 17th Annual National Radiological Emergency Preparedness Conference, Inc. Newport Beach, California (30 April – 3 May, 2007).

Multi-Agency Radiological Laboratory Analytical Protocols Manual, (MARLAP). USEPA, USDOD, USDOE, USNRC, USFDA, USGS, and NIST. Aug 2001.

Basic Radiological Dose Estimation- A Field Guide, Technical Guide TG-236A. U.S. Army Center for Health Promotion and Preventive Medicine. Aug 2001.

“Depleted Uranium Issues.” U.S. Army Center for Health Promotion and Preventive Medicine, Health Physics Program, Aberdeen Proving Ground, Maryland. Paper presented at the Third Annual Army Force Health Protection Conference, Baltimore, Maryland (7-11 Aug 2000).

“Evaluation of Currently Fielded Army RADIAC Instrumentation for the Effective Detection and Measurement of Radiation Levels.” R. Reyes, A. Scott, G. Falo, J. Mullikin, F. Szrom, J. Collins, D. Cummings, U.S. Army Center for Health Promotion and Preventive Medicine, Health Physics Program, Aberdeen Proving Ground, Maryland. 68th Military Operations Research Society, Colorado Springs, Colorado, Jun 2000.

“A level 1 assessment - an excerpt of technical guide (TG-236) field guide for unit radiological dose estimation” (J Falo, R Reyes, A Scott, J Mullikin, J Collins, and F Szrom) Health Physics Journal, Vol. 78, No. 6, Jun 2000.

"Instrumentation Selection for the Detection of Radiological Sources of Potential Exposure or Contamination." R.A. Reyes, A.L. Scott, G.A. Falo, D. Collins, F. Szrom, J.W. Collins. U.S. Army Center for Health Promotion and Preventive Medicine, Health Physics Program, Aberdeen Proving Ground, Maryland. Proceedings of the 33rd Midyear Topical Meeting of the Health Physics Society. Jan 2000).

"Development of a Technical Guide for the Identification of Radiological Sources of Potential Exposure and/or Contamination," (R. Reyes, A. Scott, G. Falo, J. Collins, F. Szrom, D. Collins) International Symposium of Restoration of Environments with Radioactive Residues, Nov 1999.

Radiological Sources of Potential Exposure and/or Contamination, Technical Guide TG-238. U.S. Army Center for Health Promotion and Preventive Medicine. Jun 1999.

"Medical NBC: Radiological Health Risk Planning and Projection". AL Scott, SJ Kaepfel, JW Collins, MS Terpilak, GA Falo, RA Reyes (US Army Center for Health Promotion and Preventive Medicine) APG, MD.

A Cost Benefit Analysis of Radon Remediation in Homes Using Monte Carlo Techniques. University of Pittsburgh. Aug 1996.

Short Courses Attended-

Radiological Emergency Team Operations (RETOPS) Course, Defense Nuclear Weapons School, Kirtland AFB, NM. Mar 2003 (9 days)

MARSSIM Training Course, U.S. Air Force/ Environmental Protection Agency, San Antonio, TX. Feb 2003 (3 days)

Medical Effects of Ionizing Radiation Course, Armed Forces Radiobiology Research Institute, Fort Sam Houston, TX. Sep 2001 (3 days).

Laser and Radiofrequency Hazards Course, Center for Health Promotion and Preventive Medicine, Aberdeen, MD. Apr 1999 (5 days).

RESRAD Training Workshop, Argonne National Laboratory, Aberdeen Proving Ground, MD. Sep 1998 (3 days).

Medical X-Ray Survey Techniques Course, Academy of Health Sciences, Ft. Sam Houston, TX. Apr 1998 (10 days).

Environmental Radiation, Harvard University, Boston, MA. Jun 1998 (5 days).

Pilot MARSSIM Training Program, Environmental Protection Agency, Las Vegas, NV. Aug 1997 (3 days).

Radiation Protection at Nuclear Reactors, Health Physics Society 1995 Summer School, Beverly, MA. Jul 1995 (5 days).