DEPARTMENT OF THE ARMY
BROOKE ARMY MEDICAL CENTER
3551 ROGER BROOKE DRIVE
JBSA FORT SAM HOUSTON, TEXAS 78234-4504

REPLY TO ATTENTION OF

RECEIVED
AUG 14 2014
DNMS

August 6, 2014

Health Physics Service

PUBLIC
- ☐ Immediate Release
- ☑ Normal Release

NON-PUBLIC
- ☐ A.3 Sensitive-Security Related
- ☐ A.7 Sensitive Internal
- ☐ Other:_____

Reviewer: fwd Date: 8/14/14

U.S. Nuclear Regulatory Commission
Nuclear Materials Licensing Section
Attention: Dr. Lizette Roldán-Otero
1600 E. Lamar Blvd
Arlington, TX 76011-4511

Reference: Nuclear Regulatory Commission Materials License No. 42-01368-01, Brooke Army Medical Center, Fort Sam Houston, Texas 78234

Dear Dr. Lizette Roldán-Otero:

Brooke Army Medical Center (BAMC) requests an amendment to NRC License No. 42-01368-01 as listed below:

1. Request a change to the RSO and also to have an Alternate RSO listed on our license.
   a. Change item 11 of our license to read "The Radiation Safety Officer for this license is Captain (CPT) David W. Byrd." CPT David W. Byrd will replace Lieutenant Colonel (LTC) Christopher D. Pitcher as BAMC's RSO effective August 2014. He has completed the Medical Physics graduate program at Louisiana State University and was the operations officer at BAMC from 2009 to 2012; his NRC Form 313A(rso) is attached. CPT Byrd's credentials were reviewed and approved electronically by the BAMC Radiation Safety Committee (RSC) on 30 June 2014.
   b. Since the RSO for BAMC is an active duty Army officer, naming an alternate RSO on the NRC License is necessary for this program to provide continuity during periods of PCS, deployment, or other absence of a military nature. The alternate RSO for this license will be Laura W. Eline. She has worked as a health physicist at BAMC since 2008 and currently has a duty appointment as the alternate RSO; her duty appointment and NRC Form 313A(rso) are attached.

2. We further request to increase the maximum possession amount of our sealed source authorizations for Y-90 microspheres to 3 Curies. Our workload and type of spheres used requires this increase.

3. Please contact LTC Christopher D. Pitcher, BAMC RSO, at (210) 916-7625 or christopher.d.pitcher.mil@mail.mil if you have any questions.

Sincerely,

EVAN M. RENZ
COL, MC
Deputy Commander for Acute Care
RSC Chairman

Encls
NRC Form 313A(rso)-Byrd
Duty Appointment-Eline
NRC From 313A(rso)-Eline

No 584633

NRC FORM 313A (RSO)
(3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

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

David Wayne Byrd

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 (Y90 Microsphere)

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	Northwestern State University Brooke Army Medical Center Medical X-ray Survey Techniques Course	48 40 40	Jan99 - May04 Jun09 - Jun12 Apr 08
Radiation protection	Radiological Hazards Operator Training Brooke Army Medical Center Medical X-ray Survey Techniques Course	40 100 40	Jun 07 Jun09 - Jun12 Apr 08
Mathematics pertaining to the use and measurement of radioactivity	Northwestern State University Radiological Safety Course	96 40	Jan99 - May04 Apr 06
Radiation biology	Medical Effects of Ionizing Radiation Radiological Safety Course	20 60	Jul 10 Apr 06
Radiation dosimetry	Brooke Army Medical Center U.S. Army Dosimetry Center	100 100	Jun09 - Jun12 Jan08 - Jan09
	Total Hours of Training:	724.0	

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	BAMC 49CFR173 DOT Training BAMC, NRC License # 42-01368-01	Dec 10 Jun09-Jun12
Using and performing checks for proper operation of instruments used to determine the activity of dosages, survey meters, and instruments used to measure radionuclides	BAMC, NRC License # 42-01368-01	Jun09-Jun12
Securing and controlling byproduct material	BAMC, NRC License # 42-01368-01	Jun09-Jun12
Using administrative controls to avoid mistakes in administration of byproduct material	BAMC, NRC License # 42-01368-01	Jun09-Jun12
Using procedures to prevent or minimize radioactive contamination and using proper decontamination procedures	BAMC, NRC License # 42-01368-01	Jun09-Jun12
Using emergency procedures to control byproduct material	BAMC, NRC License # 42-01368-01	Jun09-Jun12
Disposing of byproduct material	BAMC, NRC License # 42-01368-01	Jun09-Jun12
Licensed Material Used (e.g., 35.100, 35.200, etc.)+ 35.100, 35.200, 35.300, 35.400, 35.600 35.1000 (Y-90 Microsphere Brachy)	BAMC, NRC License # 42-01368-01	Jun09-Jun12

\+ 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 remote 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	License/Permit Number listing supervising individual as a Radiation Safety Officer
COL Mark W. Bower CHP, PhD	NRC License #42-01368-01

This license authorizes the following medical uses:

- ✓ 35.100
- ✓ 35.200
- ✓ 35.300
- ✓ 35.400
- ✓ 35.500
- ✓ 35.600 (remote afterloader)
- ☐ 35.600 (teletherapy)
- ☐ 35.600 (gamma stereotactic radiosurgery)
- ✓ 35.1000 (Y-90 Microspher)

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 W. Bower, CHP, PhD, Command Radiation Safety Officer Southern Regional Medical Command & Brooke Army Med Center	Jun 09 - Jun 12
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses	COL Mark W. Bower, CHP, PhD, Command Radiation Safety Officer Southern Regional Medical Command & Brooke Army Med Center	Jun 09 - Jun 12
Radiation safety, regulatory issues, and emergency procedures for 35.400 uses	COL Mark W. Bower, CHP, PhD, Command Radiation Safety Officer Southern Regional Medical Command & Brooke Army Med Center	Jun 09 - Jun 12
Radiation safety, regulatory issues, and emergency procedures for 35.600 - teletherapy uses	N/A	
Radiation safety, regulatory issues, and emergency procedures for 35.600 - remote afterloader uses	COL Mark W. Bower, CHP, PhD, Command Radiation Safety Officer Southern Regional Medical Command & Brooke Army Med Center	Jun 09 - Jun 12
Radiation safety, regulatory issues, and emergency procedures for 35.600 - gamma stereotactic radiosurgery uses	N/A	
Radiation safety, regulatory issues, and emergency procedures for 35.1000, specify use(s):	Y-90 Microsphere Brachytherapy COL Mark W. Bower, CHP, PhD, Command RSO SRMC & BAMC	Jun 09 - Jun 12

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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 *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.)*	License/Permit Number listing supervising individual
COL Mark W. Bower CHP, PhD	NRC License #42-01368-01

License/Permit lists supervising individual as:

✓ Radiation Safety Officer ☐ Authorized User ☐ Authorized Nuclear Pharmacist
☐ Authorized Medical Physicist

Authorized as RSO, AU, ANP, or AMP for the following medical uses:

✓ 35.100 ✓ 35.200 ✓ 35.300 ✓ 35.400
✓ 35.500 ✓ 35.600 (remote afterloader) ☐ 35.600 (teletherapy)
☐ 35.600 (gamma stereotactic radiosurgery) ✓ 35.1000 (Y-90 Microsphere)

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 David Wayne Byrd 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 **David Wayne Byrd** has training in the radiation safety, regulatory issues, and
Name of ProposedRadiation 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:
Y-90 Microsphere Brachytherapy

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

AND

Third Section
Complete for ALL

✓ I attest that **David Wayne Byrd** 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 **Brooke Army Medical Center**
Name of Facility

License/Permit Number: **42-01368-01**

Name of Preceptor	Signature	Telephone Number	Date
Mark W. Bower, CHP, PhD	Mark W. Bower	(210) 295-2411	06/06/2012

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DEPARTMENT OF THE ARMY
BROOKE ARMY MEDICAL CENTER
3551 ROGER BROOKE DRIVE
FORT SAM HOUSTON, TEXAS 78234-6200

REPLY TO
ATTENTION OF

MCHE-DHR

MEMORANDUM FOR RECORD

SUBJECT: Duty Appointment Orders (Eline) BAMC Alternate/Assistant Radiation Safety Officer

1. Effective immediately Ms Laura W. Eline, Health Physics Service, Department of Preventive Medicine, is assigned the following duty appointment: Alternate/Assistant Radiation Safety Officer (ARSO) for Brooke Army Medical Center and the San Antonio Military Medical Center.

2. Authority: MEDCOM Regulation 40-42

3. Purpose: As outlined in the referenced authority and to provide continuity in any absence of the Radiation Safety Officer.

4. Period: From 1 January 2013 until officially relieved or released from appointment.

5. Special Instructions:

a. Individual will be familiar with BAMC Memo 40-72, AR 385-10, MEDCOM Regulation 40-42, DA PAM 385-24, 10 CFR Part 35, the conditions and requirement of the NRC License, and any other regulations, guides, or procedures involving radiation exposure.

b. Individual will supervise the BAMC Health Physics (radiation safety) program in the absence of the Chief in accordance with applicable directives.

CD Pitcher

CHRISTOPHER D. PITCHER
LTC, MS
Chief, Health Physics Service
BAMC Radiation Safety Officer

NRC FORM 313A (RSO) (05-2012) U.S. NUCLEAR REGULATORY COMMISSION

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

APPROVED BY OMB: NO. 3150-0120
EXPIRES: (05/31/2015)

Name of Proposed Radiation Safety Officer

Laura Williams Eline

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 (Y-90 Microspheres)

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	Radiation Safety Acad & Brooke Army Med Ctr Thomas Edison State College (TESC)	49 144	Aug 08-Aug 12 Feb 04 - Apr 05
Radiation protection	Radiation Safety Acad TESC & Brooke Army Med Ctr (BAMC)	27 206	Aug 08-Aug 12 Feb 04 -Aug 12
Mathematics pertaining to the use and measurement of radioactivity	St. Philip's College & BAMC AMEDDC&S Health Physics & X-ray Survey Crs	88 54	Aug 07-Aug 12 Jul - Oct 04
Radiation biology	BAMC TESC & Med Effects of Ionizing Radiation Crs	20 46	Aug 08-Aug 12 Feb 04 - Apr 05
Radiation dosimetry	TESC	32	Feb 04 - Apr 05
Total Hours of Training:	666		

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	Brooke Army Medical Center, NRC License #42-01368-01	Aug 08-Aug 12
Using and performing checks for proper operation of instruments used to determine the activity of dosages, survey meters, and instruments used to measure radionuclides	Brooke Army Medical Center, NRC License #42-01368-01	Aug 08-Aug 12
Securing and controlling byproduct material	Brooke Army Medical Center, NRC License #42-01368-01	Aug 08-Aug 12
Using administrative controls to avoid mistakes in administration of byproduct material	Brooke Army Medical Center, NRC License #42-01368-01	Aug 08-Aug 12
Using procedures to prevent or minimize radioactive contamination and using proper decontamination procedures	Brooke Army Medical Center, NRC License #42-01368-01	Aug 08-Aug 12
Using emergency procedures to control byproduct material	Brooke Army Medical Center, NRC License #42-01368-01	Aug 08-Aug 12
Disposing of byproduct material	Brooke Army Medical Center, NRC License #42-01368-01	Aug 08-Aug 12
Licensed Material Used (e.g., 35.100, 35.200, etc.)+ 35.100, 35.200, 35.300, 35.400, 35.500, 35.600 remote afterloader units, 35.1000: Y-90 Microspheres	Brooke Army Medical Center, NRC License #42-01368-01	Aug 08-Aug 12

\+ 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 remote 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	License/Permit Number listing supervising individual as a Radiation Safety Officer
COL Mark W. Bower, CHP, PhD	NRC License #42-01368-01

This license authorizes the following medical uses:

- [x] 35.100
- [x] 35.200
- [x] 35.300
- [x] 35.400
- [x] 35.500
- [x] 35.600 (remote afterloader)
- [ ] 35.600 (teletherapy)
- [ ] 35.600 (gamma stereotactic radiosurgery)
- [x] 35.1000 (Y-90 Microspheres)

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 W. Bower, CHP, PhD, Command Radiation Safety Officer Southern Regional Medical Command (SRMC) and BAMC	Aug 08-Aug 12
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses	COL Mark W. Bower, CHP, PhD, Command Radiation Safety Officer SRMC and BAMC	Aug 08-Aug 12
Radiation safety, regulatory issues, and emergency procedures for 35.400 uses	COL Mark W. Bower, CHP, PhD, Command Radiation Safety Officer SRMC and BAMC	Aug 08-Aug 12
Radiation safety, regulatory issues, and emergency procedures for 35.600 - teletherapy uses	N/A	
Radiation safety, regulatory issues, and emergency procedures for 35.600 - remote afterloader uses	COL Mark W. Bower, CHP, PhD, Command Radiation Safety Officer SRMC and BAMC	Aug 08-Aug 12
Radiation safety, regulatory issues, and emergency procedures for 35.600 - gamma stereotactic radiosurgery uses	N/A	
Radiation safety, regulatory issues, and emergency procedures for 35.1000, specify use(s):	Y-90 Microsphere Brachytherapy COL Mark W. Bower, CHP, PhD, Command Radiation Safety Officer SRMC and BAMC	Jan 11- Aug 12

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 *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.)*	License/Permit Number listing supervising individual
COL Mark W. Bower, CHP, PhD	NRC License #42-01368-01

License/Permit lists supervising individual as:

☑ Radiation Safety Officer ☐ Authorized User ☐ Authorized Nuclear Pharmacist
☐ Authorized Medical Physicist

Authorized as RSO, AU, ANP, or AMP for the following medical uses:

☑ 35.100 ☑ 35.200 ☑ 35.300 ☑ 35.400
☑ 35.500 ☑ 35.600 (remote afterloader) ☐ 35.600 (teletherapy)
☐ 35.600 (gamma stereotactic radiosurgery) ☑ 35.1000 (Y-90 Microsphere)

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 Laura Williams Eline 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

№ 584633

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 Laura Williams Eline 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:

Y-90 Microsphere Brachytherapy

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

AND

Third Section
Complete for ALL

☑ I attest that Laura Williams Eline 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 Brooke Army Medical Center, San Antonio, TX
Name of Facility

License/Permit Number: 42-01368-01

Note: I am not presently the RSO for License #42-01368-01; however, I was at the time covered by this preceptor attestation. mwb

Name of Preceptor	Signature	Telephone Number	Date
Mark W. Bower, CHP, PhD	Mark W. Bower	210 221-7952	9 Oct 13

DEPARTMENT OF THE ARMY
BROOKE ARMY MEDICAL CENTER
3551 ROGER BROOKE DRIVE
JBSA FORT SAM HOUSTON, TEXAS 78234-4504

RECEIVED
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REPLY TO
ATTENTION OF

MCHE-DHR

18 AUG 2014

MEMORANDUM FOR SEE DISTIBUTION

SUBJECT: Duty Appointment Orders (Byrd) BAMC Radiation Safety Officer

1. Effective immediately, CPT David W. Byrd, Chief, Health Physics Service, Department of Preventive Medicine, is assigned the following duty appointments:

a. Radiation Safety Officer for Brooke Army Medical Center and the San Antonio Military Medical Center.

b. Radiation Safety Officer for Nuclear Regulatory Commission (NRC) Byproduct Materials License, Number 42-01368-01, covering regulated activities at San Antonio Military Medical Center, US Army Public Health Command Veterinary Food Analysis and Diagnostic Laboratory, US Army Medical Research and Materiel Command, Institute of Surgical Research, and the AMEDD Center and School.

2. Authority: Title 10 Code of Federal Regulations Part 35, AR 385-10, MEDCOM Regulation 40-42 and BAMC Memorandum 40-72.

3. Purpose:

a. As outlined in the referenced authorities.

b. Develops and implements the command radiation safety program.

4. Period: From 11 August 2014 until officially relieved or released from appointment.

5. Special Instructions:

a. Individual will be familiar with BAMC Memo 40-72, AR 385-10, MEDCOM Regulation 40-42, DA PAM 385-24, 10 CFR Part 35, the conditions and requirement of the NRC License, and any other regulations, guides, or procedures involving radiation exposure.

b. Individual will supervise the BAMC Health Physics (radiation safety) program in accordance with applicable directives.

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c. Individual will serve as recorder for the BAMC Radiation Safety Committee in accordance with BAMC Memo 15-1.

d. Individual will fulfill the duties and responsibilities of the Radiation Safety Officer as established in 10 CFR, Part 35. Individual is required to meet the training and experience requirements established in 10 CFR, Part 35, paragraph 35.50 or 35.57 within the timeframe established in 10 CFR 35, paragraph 35.59. Individual shall accept his responsibility as Radiation Safety Officer in writing as required by paragraph 35.24(b).

e. Licensee shall provide the Radiation Safety Officer sufficient authority, organizational freedom, time, resources, and management prerogative, to identify radiation safety problems; initiate, recommend, or provide corrective actions; stop unsafe operations; and, verify implementation of corrective actions IAW 10 CFR Part 35, paragraph 35.24(g).

KYLE D. CAMPBELL
Colonel, MS
Commanding

DISTRIBUTION:
Deputy Commander for Acute Care
Chief, Department of Preventive Medicine
Chief, Health Physics
Radiation Safety Committee Members

MCHE-DHR

MEMORANDUM FOR RECORD

AUG 11 2014

SUBJECT: Acknowledgement of Appointment as Radiation Safety Officer

1. CPT David W. Byrd acknowledges appointment, effective date 11 August 2014, as the Brooke Army Medical Center (BAMC) Radiation Safety Officer. This acknowledgement constitutes an agreement to be responsible for the BAMC radiation safety program and will remain in effect until revoked or superseded in writing.

2. References

a. Title 10 Code of Federal Regulations Part 35, paragraph 35.24(b)

b. United States Nuclear Regulatory Commission (USNRC) License Number 42-01368-01

c. MEMORANDUM FOR SEE DISTIBUTION, SUBJECT: Duty Appointment Orders (Byrd) BAMC Radiation Safety Officer

3. POC for this memorandum is the undersigned at (210) 916-7625 or david.w.byrd.mil@mail.mil.

DAVID W. BYRD
CPT, MS
Radiation Safety Officer, BAMC

No. 584633

NRC FORM 532
(1-2012)

U. S. NUCLEAR REGULATORY COMMISSION

DATE

08/28/2014

NAME AND ADDRESS OF APPLICANT AND/OR LICENSEE	LICENSE NUMBER
Commander, Brooke Army Medical Center ATTN: MCHE-DHR (Health Physics) Laura Eline 4070 Stanley Road, Bldg 1029/317 Ft. Sam Houston, TX 78234-4600	42-01368-01
	MAIL CONTROL NUMBER 584633
	LICENSING AND/OR TECHNICAL REVIEWER cmurnahan CM

This is to acknowledge the receipt of your:

☑ LETTER and/or ☐ APPLICATION DATED: 08/12/2014

The initial processing, which included an administrative review, has been performed.

☑ AMENDMENT ☐ TERMINATION ☐ NEW LICENSE ☐ RENEWAL

☑ There were no administrative omissions identified during our initial review.

☐ This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

☐ Your application for a new NRC license did not include your taxpayer identification number. Please fill out NRC Form 531, located at the following link:

http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf

Send the completed NRC Form 531, by facsimile, to the following number: (301) 415-5387

A copy of your action has been emailed to our License Fee and Accounts Receivable Branch, in our Headquarters office in Rockville, MD. You will be contacted separately if there is a fee issue involved.

Your application has been assigned the above listed **MAIL CONTROL NUMBER.** When calling to inquire about this action, please refer to this control number. Your application has been forwarded to a technical reviewer. Please note that the technical review, which is normally completed within 180 days for a renewal application (90 days for all other requests), may identify additional omissions or require additional information. If you have any questions concerning the processing of your application, our contact information is listed below:

Region IV
U. S. Nuclear Regulatory Commission
DNMS/NMSB - B
1600 E. Lamar Blvd.
Arlington, TX 76011-4511
(817) 200-1103 or (817) 200-1140

emailed to licensee
8-28-14

BETWEEN:

Accounts Receivable/Payable
and
Regional Licensing Branches

[FOR ARPB USE]
INFORMATION FROM WBL

Program Code: 02110
Status Code: Pending Amendment
Fee Category: 3L 7B 7C
Exp. Date:
Fee Comments:
Decom Fin Assur Reqd: Y

License Fee Worksheet - License Fee Transmittal

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee:	ARMY, DEPARTMENT OF THE
Received Date:	08/12/2014
Docket Number:	3003258
Mail Control Number:	584633
License Number:	42-01368-01
Action Type:	Amendment

2. FEE ATTACHED

Amount: _____

Check No.: _____

3. COMMENTS

Signed: Colleen Murnahan

Date: 8-25-2014

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: _____

584633