

Bayhealth Medical Center

Terry M. Murphy, FACHE
President and Chief Executive Officer

640 S. State Street, Dover, DE 19901
Tel: (302) 744-7000 Fax: (302) 744-7181

Br 1

January 22, 2010

Licensing Branch
Nuclear Materials Safety Section
Division of Safety & Safeguards
U.S., N.R.C. – Region I
475 Allendale Road
King of Prussia, PA 19406

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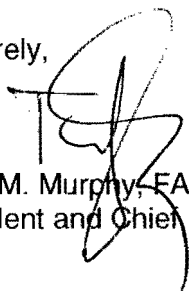
Dear License Reviewer,

Please amend our Radioactive Materials License, NRC # 07-14850-01, Bayhealth Medical Center-Kent General Hospital, 640 S. State St., Dover, DE 19901, to recognize the change of RSO from Walter L. Robinson, M.S. to Martin Begley, M.D.

Please find the following attachments to support this request for license amendment:

- 1) Dr. Begley's ABR Certification documentation
- 2) Dr. Begley's letter of desire to be RSO
- 3) Dr. Begley's recent 40 hr. RSO course certificate
- 4) NRC 313A completed form
- 5) Attestation letter from current RSO of additional training

Sincerely,



Terry M. Murphy, FACHE
President and Chief Executive Officer

RECEIVED
REGION 1
2010 FEB - 1 PM 12: 25

Attachments

TMM/kjk

144408

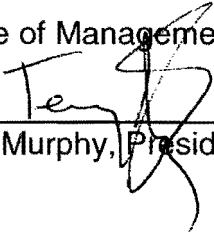
**Bayhealth**
Medical Center

January 22, 2010

Memo To: Radiation Safety Officer
From: Terry M. Murphy, FACHE
Subject: Delegation of Authority for NRC lic. # 07-14850-01
Bayhealth Medical Center – Kent General Hospital

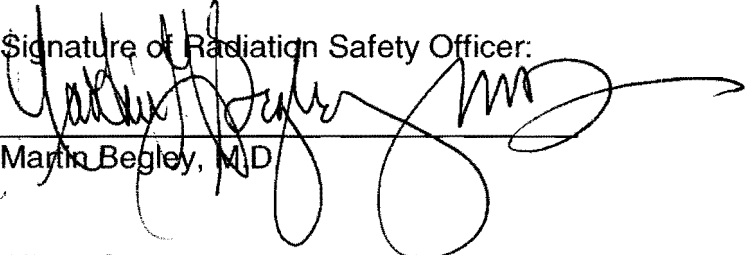
You, Martin Begley, M.D., have been appointed Radiation Safety Officer and are responsible for ensuring the safe use of radiation. You are responsible for managing the radiation protection program; identifying radiation protection problems; initiating, recommending, or providing corrective actions; verifying 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 of situations where staff are not cooperating and not addressing radiation safety issues. In addition, you are free to raise issues with the Nuclear Regulatory Commission at anytime. Adequate time will be allowed for you to appropriately conduct radiation protection activities.

Signature of Management Representative:


Terry M. Murphy, President/CEO

I accept the above responsibilities.

Signature of Radiation Safety Officer:


Martin Begley, M.D.

NUREG - 1556, Vol. 9 Revision 1



Walter L. Robinson & Associates

Consultant Medical Radiation Health Physicists

1492 N. Red Maple Way • Downingtown, PA 19335 • 610-873-2790 • 800-446-7622

www.walterrobinson.com

Fax 610-873-2619

January 20, 2010

Licensing Branch
Nuclear Materials Safety Section
Division of Safety & Safeguards
U.S., N.R.C. – Region I
475 Allendale Road
King of Prussia, PA 19406

Dear License Reviewer,

As current R.S.O. of Bayhealth Medical Center, Kent and Milford Campuses, I attest that Dr. Begley is prepared and properly committed to becoming the next RSO. I am assured that Bayhealth administration will provide him with adequate time and support to carry out his duties effectively, as they have for me.

Dr. Begley was once the RSO for this hospital, Kent General Hospital, Dover, DE -as it was known then, from January 1991 to 1997. Following the 13 year hiatus from RSO duties, Dr. Begley recently attended a 40 hr. RSO refresher training (certificate attached to amendment request) to provide relevance to the recentness requirement and for his familiarity of modern services as RSO.

In addition, Dr. Begley has spent over 8 hours with me, receiving updates of specific radiation safety issues, activities, and duties at Bayhealth Kent and Milford Campuses. This specific training included: (but was not limited to) handling of personnel monitoring outliers, past issues or self-identified violations found at the most recent management audit, mechanisms and requirements for communication with administration, activities at the quarterly RSC meetings, when to contact the Bayhealth Medical Radiation Health Physicists for help, how to evaluate and correct personnel monitoring records with incorrect data, how to update or change policies, and in general, all the specific duties of the RSO required specifically for Bayhealth Medical Center. These include X-radiation radiation safety issues and policies, not of regulatory concern to the NRC.

Last, but not least, the Bayhealth Medical Center RSO is supported in health physics duties, tasks, and consultation three days per month from Walter L. Robinson & Associates-with a 24/7 hotline for emergencies.

Sincerely,

Walter L. Robinson, M.S., D.A.B.S.N.M., D.A.B.M.P., and D.A.B.R.
RSO, Bayhealth Medical Center
Consultant Certified Medical Radiation Health & Diagnostic Imaging Physicist

**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

Martin Begley, M.D.

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			
Radiation protection			
Mathematics pertaining to the use and measurement of radioactivity			
Radiation biology			
Radiation dosimetry			

Total Hours of Training:

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		
Using and performing checks for proper operation of instruments used to determine the activity of dosages, survey meters, and instruments used to measure radionuclides		
Securing and controlling byproduct material		
Using administrative controls to avoid mistakes in administration of byproduct material		
Using procedures to prevent or minimize radioactive contamination and using proper decontamination procedures		
Using emergency procedures to control byproduct material		
Disposing of byproduct material		
Licensed Material Used (e.g., 35.100, 35.200, etc.)+ _____ _____ _____		

+ 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 <i>Ray Johnson, M.S., C.H.P.</i> (Training)	License/Permit Number listing supervising individual as a Radiation Safety Officer <i>Radiation Safety Academy</i>
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	<i>Radiation Safety Academy</i>	<i>Oct. 25-30, 2009</i>
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses	" " "	"
Radiation safety, regulatory issues, and emergency procedures for 35.400 uses	" " "	"
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 *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

RAY JOHNSON, M.S., C.N.P.

see certificate attached

for: 35.5 hrs.

V.P. Training Programs: "Radiation Safety Academy" (Dade Moeller + Assoc.)

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 (_____)

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 Martin Begley, M.D. 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 _____ 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)

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 Walter L. Robinson, M.S., D.A.B.S.M., D.A.B.M.P., + D.A.B.R. and current RSO.	License/Permit Number listing supervising individual as a Radiation Safety Officer 07-14850-01 and 07-14900-01
--	---

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	Walter L. Robinson	NOV. '09 to Feb '10 (8 hrs. as of 1-20-10)
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses	" " "	" "
Radiation safety, regulatory issues, and emergency procedures for 35.400 uses	" " "	" "
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)

<p>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> <u>Walter L. Robinson, M.S., RSO</u></p>	<p>License/Permit Number listing supervising individual <u>07-14850-01 and</u> <u>07-14900-01</u></p>
<p>License/Permit lists supervising individual as:</p> <p><input checked="" type="checkbox"/> Radiation Safety Officer <input type="checkbox"/> Authorized User <input type="checkbox"/> Authorized Nuclear Pharmacist <input type="checkbox"/> Authorized Medical Physicist</p> <p>Authorized as RSO, AU, ANP, or AMP for the following medical uses:</p> <p><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 (_____)</p>	

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 Martin Begley, M.D. 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 _____ 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 Martin Begley, M.D. is an
Name of Proposed Radiation Safety Officer

Authorized User

Authorized Nuclear Pharmacist

Authorized Medical Physicist

identified on the Licensee's 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 Martin Begley, M.D. 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 Martin Begley, M.D. 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 Bayhealth Medical Center (Kent + Milford Campuses)
Name of Facility

License/Permit Number: 07-14850-01 and 07-14900-01
(Kent) (Milford)

Name of Preceptor

Walter L. Robinson, MS.
DABSNM, DABMP, + DABR
and current RSO

Signature

Walter L. Robinson

Telephone Number

717-940-5493

Date

1-20-10

Certificate of Training

Awarded To

Martin Begley, M.D.

Recognizing completion of 5 days of specialized instruction in

Medical Radiation Safety Officer

October 30, 2009

Presented By

Radiation Safety Academy

A Division of Dade Moeller & Associates

438 N. Frederick Avenue, Suite 220, Gaithersburg, MD 20877

www.radiationsafetyacademy.com -- 301-990-6006

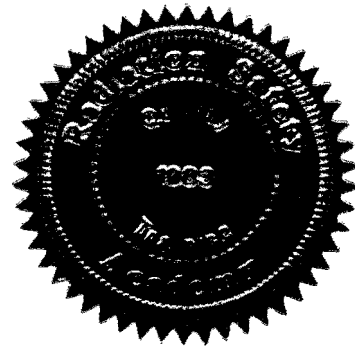
ABIH has awarded this course 4.5 CM Points, CM Approval #09-217

AAHP has awarded this course 32 Continuing Education Credits, 2006-00-015

ARRT and SNMT has awarded this course 35.5 CEH's, 024551-024555



Ray Johnson, MS, PE, FHPS, CHP
Vice President, Training Programs





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Viewed:5/7/2009
Abbreviation

Begley, Martin Gerard
(Born: 10/21/1943; New York, NY)

ABMS Primary Source Data

**AMERICAN BOARD OF RADIOLOGY
CERTIFICATION(S):**
Diagnostic Radiology 1976*

*Lifetime certification in this certificate.

Diplomate Self Reported Data

EDUCATION:
Georgetown U (1970, MD)

CAREER:
Hospital Appointments:
Hosp Appt, Kent Genl Hosp, Dover, DE (Present)

Training Appointments:
Int, U SC, Charleston (1970 - 1971)
Res, Pathology, U SC, Charleston (1971 - 1972)
Res, Radiology, U SC, Charleston (1972 - 1975)

TYPE OF PRACTICE:
Full Time Priv Prac Grp/Ptnrshp

MEMBERSHIP(S) [Best efforts used to define physician provided acronym]:
ACR
AMA
ARRS
MedSocDe
RSNA

ADDRESS (Mail, Combination):
1810 Windswept Cir
Dover, DE 19901-5853 (Kent County)

PHONE 302-744-7062
FAX 302-744-6215

LOCATION:
Dover, DE, USA

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This is to acknowledge the receipt of your letter/application dated

1/22/2010, and to inform you that the initial processing which includes an administrative review has been performed.

AMEND. 07-14850-01
There were no administrative omissions. Your application was 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

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** 144408.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.