August 9, 2010

Toye Simmons
Materials Licensing Branch
U.S. NRC Region III
2443 Warrenville Rd.
Suite 210
Lisle, IL 60532-4352

REFERENCING: MAIL CONTROL NUMBER 573129

Ms. Simmons:

A request was sent on July 8, 2010, to amend U.S. NRC Radioactive Materials License number 24-32517-01. At this time, I would like to add one additional request to that amendment:

1. add Stephen Howard, MS, as an authorized medical physicist for Ir-192 high dose rate afterloading services. Please see the attached form 313A (AMP) and a copy of his ABR board certification letter.

Please direct any questions about this request to myself (see phone number and e-mail address below).

Sincerely,

Brian Wichman, MS
Chief Medical Physicist, RSO
Kansas City Cancer Centers
913-234-0502

NRC FORM 313A (AMP)
(10-2006)

U.S. NUCLEAR REGULATORY COMMISSION

AUTHORIZED MEDICAL PHYSICIST TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION [10 CFR 35.51]

APPROVED BY OMB: NO. 3150-0120
EXPIRES: 10/31/2008

Name of Proposed Authorized Medical Physicist

Stephen Howard, MS

Requested Authorization(s) (check all that apply)

- ☐ 35.400 Ophthalmic use of strontium-90
- ☐ 35.600 Teletherapy unit(s)
- ☑ 35.600 Remote afterloader unit(s)
- ☐ 35.600 Gamma stereotactic radiosurgery unit(s)

PART I -- TRAINING AND EXPERIENCE

(Select one of the three 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. Go to the table in 3.c. and describe training provider and dates of training for each type of use for which authorization is sought.

c. Skip to and complete Part II Preceptor Attestation.

☐ 2. **Current Authorized Medical Physicist Seeking Additional Authorization for use(s) checked above**

a. Go to the table in section 3.c. to document training for new device.

b. Skip to and complete Part II Preceptor Attestation

☐ 3. **Education, Training, and Experience for Proposed Authorized Medical Physicist**

a. Education: Document master's or doctor's degree in physics, medical physics, other physical science, engineering, or applied mathematics from an accredited college or university.

Degree	Major Field
College or University	

b. Supervised Full-Time Medical Physics Training and Work Experience in clinical radiation facilities that provide high-energy external beam therapy (photons and electrons with energies greater than or equal to 1 million electron volts) and brachytherapy services.

☐ Yes. Completed 1 year of full-time training in medical physics (for areas identified below) under the supervision of _____ who meets the requirements for an Authorized Medical Physicist.

AND

☐ Yes. Completed 1 year of full-time work experience in medical physics (for areas identified below) under the supervision of Brian Wichman who meets the requirements for an Authorized Medical Physicist.

AUTHORIZED MEDICAL PHYSICIST TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. **Education, Training, and Experience for Proposed Authorized Medical Physicist** (continued)

   b. Supervised Full-Time Medical Physics Training and Work Experience (continued)

   If more than one supervising individual is necessary to document supervised training, provide multiple copies of this page.

Description of Training/ Experience	Location of Training/License or Permit Number of Training Facility/Medical Devices Used+	Dates of Training*	Dates of Work Experience*
Medical Physics			
Performing sealed source leak tests and inventories			
Performing decay corrections			
Performing full calibration and periodic spot checks of external beam treatment unit(s)			
Performing full calibration and periodic spot checks of stereotactic radiosurgery unit(s)			
Performing full calibration and periodic spot checks of remote afterloading unit(s)			
Conducting radiation surveys around external beam treatment unit(s), sterotactic radiosurgery unit(s), remote after loading unit(s)			

Supervising Individual**	License/Permit Number listing supervising individual as an authorized Medical Physicist

for the following types of use:

☐ Remote afterloader unit(s) ☐ Teletherapy unit(s) ☐ Gamma stereotactic radiosurgery unit(s)

\+ Training and work experience must be conducted in clinical radiation facilities that provide high-energy external beam therapy (photons and electrons with energies greater than or equal to 1 million electron volts) and brachytherapy services.

* 1 year of Full-time medical physics training and 1 year of full time work experience cannot be concurrent.

** If the supervising medical physicist is not an authorized medical physicist, the licensee must submit evidence that the supervising medical physicist meets the training and experience requirements in 10 CFR 35.51 and 35.59 for the types of use for which the individual is seeking authorization.

AUTHORIZED MEDICAL PHYSICIST TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. **Education, Training, and Experience for Proposed Authorized Medical Physicist** (continued)

c. Describe training provider and dates of training for each type of use for which authorization is sought.

Description of Training	Training Provider and Dates		
	Remote Afterloader	Teletherapy	Gamma Stereotactic Radiosurgery
Hands-on device operation	Watson Clinic, Lakeland, FL 2005-2006		
Safety procedures for the device use	Watson Clinic, Lakeland, FL 2005-2006		
Clinical use of the device	Watson Clinic, Lakeland, FL 2005-2006		
Treatment planning system operation	Watson Clinic, Lakeland, FL 2005-2006		

Supervising Individual	License/Permit Number listing supervising individual as an authorized Medical Physicist
If training is provided by Supervising Medical Pysicist, (If more than one supervising individual is necessary to document supervised training, provide multiple copies of this page.)	
Michael Howard, MS	Florida 2619-1

for the following types of use:

☑ Remote afterloader unit(s) ☐ Teletherapy unit(s) ☐ Gamma stereotactic radiosurgery unit(s)

If Applicable:

Authorization Sought	Device	Training Provided By	Dates of Training
35.400 Ophthalmic Use of strontium-90			

d. Skip to and complete Part II Preceptor Attestation.

AUTHORIZED MEDICAL PHYSICIST TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

3. **Education, Training, and Experience for Proposed Authorized Medical Physicist** (continued)

c. Describe training provider and dates of training for each type of use for which authorization is sought.

Description of Training	Training Provider and Dates		
	Remote Afterloader	Teletherapy	Gamma Stereotactic Radiosurgery
Hands-on device operation	Center for Radiation Oncology, Brandon, FL 2008-2010		
Safety procedures for the device use	Center for Radiation Oncology, Brandon, FL 2008-2010		
Clinical use of the device	Center for Radiation Oncology, Brandon, FL 2008-2010		
Treatment planning system operation	Center for Radiation Oncology, Brandon, FL 2008-2010		

Supervising Individual *If training is provided by Supervising Medical Pysicist, (If more than one supervising individual is necessary to document supervised training, provide multiple copies of this page.)*	License/Permit Number listing supervising individual as an authorized Medical Physicist
Adrian Markus, MS	Florida 4049-1

for the following types of use:

☑ Remote afterloader unit(s) ☐ Teletherapy unit(s) ☐ Gamma stereotactic radiosurgery unit(s)

If Applicable:

Authorization Sought	Device	Training Provided By	Dates of Training
35.400 Ophthalmic Use of strontium-90			

d. Skip to and complete Part II Preceptor Attestation.

AUTHORIZED MEDICAL PHYSICIST TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

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 Stephen Howard, MS has satisfactorily completed the requirements in
Name of Proposed Authorized Medical Physicist
10 CFR 35.51(a)(1) and (a)(2).

OR

2. **Education, Training, and Experience**

☐ I attest that _____ has satisfactorily completed the 1-year of full-time
Name of Proposed Authorized Medical Physicist
training in medical physics and an additional year of full-time work experience as required by 10 CFR 35.51(b)(1).

AND

Second Section
Complete the following:

☑ I attest that Stephen Howard, MS has training for the types of use for which authorization
Name of Proposed Authorized Medical Physicist
is sought that include hands-on device operation, safety procedures, clinical use, and the operation of a treatment planning system.

AND

Third Section
Complete the following:

☑ I attest that Stephen Howard, MS has achieved a level of competency sufficient to
Name of Proposed Authorized Medical Physicist
function independently as an Authorized Medical Physicist for the following:

☐ 35.400 Ophthalmic use of strontium-90 ☐ 35.600 Teletherapy unit(s)
☑ 35.600 Remote afterloader unit(s) ☐ 35.600 Gamma stereotactic radiosurgery unit(s)

AND

Fourth Section
Complete the following for preceptor attestation and signature:

☑ I meet the requirements in 10 CFR 35.51, or equivalent Agreement State requirements for Authorized Medical Physicist for the following:

☐ 35.400 Ophthalmic use of strontium-90 ☐ 35.600 Teletherapy unit(s)
☑ 35.600 Remote afterloader unit(s) ☐ 35.600 Gamma stereotactic radiosurgery unit(s)

Name of Preceptor	Signature	Telephone Number	Date
Brian Wichman	B. Wich	913-234-0502	7/28/2010

License/Permit Number/Facility Name
Kansas 19-C818, NRC 24-32517-01 Kansas City Cancer Center

5441 E. Williams Boulevard, Suite 200 · Tucson, Arizona 85711-4493
Phone (620) 790-2900 · Fax (620) 790-3200 · www.theabr.org

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Mary C. Mahoney, M.D.
Cincinnati, Ohio
Duane G. Mezwa, M.D.
Royal Oak, Michigan
Robert D. Zimmerman, M.D.
New York, New York

Radiation Oncology

K. Kian Ang, M.D., Ph.D.
Houston, Texas
Beth A. Erickson, M.D.
Milwaukee, Wisconsin
Bruce G. Haffty, M.D.
New Brunswick, New Jersey
Lisa A. Kachnic, M.D.
Boston, Massachusetts
Dennis C. Shrieve, M.D., Ph.D.
Salt Lake City, Utah
Anthony L. Zietman, M.D.
Boston, Massachusetts

Radiologic Physics

G. Donald Frey, Ph.D.
Charleston, South Carolina
Geoffrey S. Ibbott, Ph.D.
Houston, Texas

May 26, 2010

ABRID P4503 / PT / 99 / 41

Confirmation # 77E1D81C

Stephen Douglas Howard, MS
1937 Fellsway Ct
Wesley Chapel, FL 33543

Dear Mr. Howard:

I am pleased to inform you that you passed the oral examination held on May 23-26, 2010. The American Board of Radiology grants you its Certificate in Therapeutic Radiologic Physics. Thi year time-limited certificate is valid through 2020.

Your certificate will be sent by our professional printing vendor, Jim Henry, Inc. to the above address in approximately four months. Your name will appear on the certificate as shown above you wish your name to appear differently or you have an address change, please notify the Boar office in writing by June 25, 2010. Your name and demographic information will be included ir Directory published by the American Board of Medical Specialties. It is your responsibility to r other local and state or national organizations of your certification.

Important information about your Maintenance of Certification process is enclosed. Please review it and respond as requested. Please remember to notify the board immediately of any change of address.

Personally, and on behalf of the Board of Trustees of the American Board of Radiology, I wish congratulate you for this distinguished achievement.

Sincerely,

Gary J. Becker, MD
Executive Director

Enclosures