Missouri Cancer Care
1092 Wentzville Parkway
Wentzville, MO 63385
(636)639-8600

June 29, 2007

Materials Licensing Branch
U.S. Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

Dear Sir or Madame:

Please consider this letter to be further supporting documentation for amending our radioactive materials license (number 24-32414-01) to name Matthew J. White, M.S. DABR as Radiation Safety Officer for our facility. All necessary supporting documentation as detailed below is included.

Please do not hesitate to contact me should you have any questions concerning this matter.

Sincerely,

Linda J. Vincent

Linda J. Vincent
Administrator

ENCLOSURES:
NRC Form 313A(RSO) with appropriate sections filled in
Letter from the American Board of Radiology indicating Matthew J. White's recent certification in therapeutic physics

NRC FORM 313A (RSO) (2-2007) U.S. NUCLEAR REGULATORY COMMISSION

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

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

Name of Proposed Radiation Safety Officer: Matthew J. White, MS DABR

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:			

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(2-2007)

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 afterloador units, 35.600 teletherapy units, 35.600 gamma stereotactic radiosurgery units, emerging technologies (provide list of devices).

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U.S. NUCLEAR REGULATORY COMMISSION

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
Mark E. Pahlman, PhD DABR	21-01041-04 St. Anthony's Medical Ctr. St. Louis, MO

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 (_____)

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		
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses for radiopharmaceutical including Y-90 (zevalin), I131, Sr-89	Mark E. Pahlman, PhD DABR	6/26/07 & 6/27/07
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):		

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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
Mark E. Pohlman, PhD DABR	21-01041-04 St. Anthony's Medical Ctr., St. Louis, MO.

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 Matthew J. White, MS DABR (Name of Proposed Radiation Safety Officer) has satisfactorily completed the requirements in 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 _____ (Name of Proposed Radiation Safety Officer) has satisfactorily completed a structural educational 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

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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 Matthew J. White, MS DABR 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:

_____
_____
_____

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(2-2007)

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

AND

Third Section
Complete for ALL

☒ I attest that Matthew J. White, MS DABR (Name of Proposed Radiation Safety Officer) has achieved a level of radiation safety knowledge 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 St. Anthony's Medical Center, St. Louis, Mo 63128 (Name of Facility)

License/Permit Number: NRC 24-01041-04

Name of Preceptor	Signature	Telephone Number	Date
Mark E. Pohlman, PhD DABR	Mark E Pohlman, PhD	(314) 941-1030	6/27/07

Officers
Philip O. Alderson, M.D., President
N. Reed Dunnick, M.D., President-Elect
Beth A. Erickson, M.D., Secretary-Treasurer

ABR The American Board of Radiology

DIAGNOSTIC RADIOLOGY RADIATION ONCOLOGY RADIOLOGIC PHYSICS

June 4, 2007

Diagnostic Radiology
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New York, New York
Dennis M. Balfe, M.D.
St. Louis, Missouri
Thomas H. Berquist, M.D.
Jacksonville, Florida
George S. Bisset, M.D.
Durham, North Carolina
James P. Borgstede, M.D.
Colorado Springs, Colorado
N. Reed Dunnick, M.D.
Ann Arbor, Michigan
Glenn S. Forbes, M.D.
Rochester, Minnesota
Valerie P. Jackson, M.D.
Indianapolis, Indiana
Matthew A. Mauro, M.D.
Chapel Hill, North Carolina
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Philadelphia, Pennsylvania
Anthony V. Proto, M.D.
Richmond, Virginia
Anne C. Roberts, M.D.
La Jolla, California
Janet L. Strife, M.D.
Cincinnati, Ohio
Kay H. Vydareny, M.D.
Atlanta, Georgia
Douglas H. Yock, Jr., M.D.
Minneapolis, Minnesota

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
Richard T. Hoppe, M.D.
Stanford, California
Larry E. Kun, M.D.
Memphis, Tennessee
Christopher G. Wilson, M.D.
Durham, North Carolina

Radiologic Physics
J. Donald Frey, Ph.D.
Charleston, South Carolina
Richard L. Morin, Ph.D.
Jacksonville, Florida
Brudati R. Paliwal, Ph.D.
Madison, Wisconsin

P3950 / PT / 30 / 12

Matthew James White, MS
1 Square Nail Ct
O Fallon, MO 63366

Dear Mr. White:

I am pleased to inform you that you passed the oral examination held on June 3-6, 2007. The American Board of Radiology grants you its Certificate in Therapeutic Radiologic Physics. This is a ten-year time-limited certificate. In addition, you have satisfied the NRC training requirements enabling you to be recognized as an ABR Diplomate inCertificate in Therapeutic Radiologic Physics who is eligible to become an Authorized Medical Physicist (AMP) via the certification pathway in 10 CFR 35.51(a). Thus, you will receive the "AMP Eligible" designation on your certificate. Please be aware that, although not noted explicitly on the certificate, by virtue of being AMP eligible, you have also satisfied the certification portion of the regulatory requirements in 10 CFR 35.50(c)(1) for Radiation Safety Officer (RSO) authorization.

The certificate will be sent to the above address in approximately three months from our printer, Jim Henry, Inc. Your name will appear on the certificate as shown above. If you wish your name to appear differently or you have an address change, please notify the Board office in writing by July 04, 2007. Your name and demographic information will be included in a Directory published by the American Board of Medical Specialties. It is your responsibility to notify 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.

Personally and on behalf of the Board of Trustees of The American Board of Radiology, I wish to congratulate you for this distinguished achievement. You have accomplished one of the most significant milestones in your career.

Sincerely,

R. R. Hattery

Robert R. Hattery, MD

Enclosures

Robert R. Hattery, M.D., Executive Director
Gary J. Becker, M.D., Associate Executive Director Lawrence W. Davis, M.D., Associate Executive Director
Stephen R. Thomas, Ph.D., Associate Executive Director

Assistant Executive Directors: Primary Certification
Anthony V. Proto, M.D., Diagnostic Radiology
Bruce G. Haffty, M.D., Radiation Oncology
Brudati R. Paliwal, Ph.D., Radiologic Physics

Assistant Executive Directors: Maintenance of Certification
James P. Borgstede, M.D., Diagnostic Radiology
Larry E. Kun, M.D., Radiation Oncology
Richard L. Morin, Ph.D., Radiologic Physics
George S. Bisset, M.D., Subspecialty Certification

5441 E. WILLIAMS BOULEVARD, SUITE 200 · TUCSON, ARIZONA 85711-4493 · PHONE (520) 790-2900 · FAX (520) 790-2200
E-mail: information@theabr.org · website: www.theabr.org

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