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

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

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

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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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).

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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. Pohlman, 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. Pohlman, 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):		

NRC FORM 313A (RSO)
(2-2007)

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)

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 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

NRC FORM 313A (RSO)
(2-2007)

U.S. NUCLEAR REGULATORY COMMISSION

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)

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

AND

Third Section
Complete for ALL

☒ I attest that Matthew J. White, MS DABR 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 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
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ABR The American Board of Radiology

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Radiologic Physics
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Richard L. Morin, Ph.D. Jacksonville, Florida
Bhudatt R. Paliwal, Ph.D. Madison, Wisconsin

June 4, 2007

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
Bhudatt 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

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