



Spectrum Health

Department of Radiology
Butterworth Campus MC 46
100 Michigan, NE
Grand Rapids, MI 49503

FAX TRANSMITTAL

Date 11/6/07 Time 10:00 Am Number of Pages (includes this one) 9

To USNRC Licensing Fax # 630-515-1078 Phone # 630-829-9887

From Bruce Hasselquist Fax # 616-391-2665 Phone # 616-391-3646

RE License Amendment

Confidential Information

Message Call if questions 616-391-2498

Thanks!

Bruce Hasselquist

V-2.

Attn. Karen

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Spectrum Health

Butterworth Campus

100 MICHIGAN STREET NE GRAND RAPIDS MI 49503-2560
616 391 1774 FAX 391 2745 www.spectrum-health.org

November 2, 2007

United States Nuclear Regulatory Commission
Region III, Materials Licensing Section
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

License Number: 21-00243-06 (Spectrum Health Hospitals)

Please Expedite

Dear Sir or Madam:

We would like to add Joseph William Kettner, MS, DABR to our license as an Authorized Medical Physicist (AMP) for remote afterloader units. We have attached NRC Form 313A (AMP) as completed by Mr. Kettner, who has been on staff at Spectrum Health for several years. He received his ABR certification in Therapeutic Radiologic Physics in 2005.

We are requesting that this amendment be expedited.

One of our AMP's has taken another position within the Spectrum Health system and is only available on a part time basis. A second AMP has announced his resignation as well. As I'm sure you're aware, filling these positions with qualified AMP's will be a challenge, making the addition of Mr. Kettner to our license critical to maintaining our current service levels.

If you have any questions regarding this amendment request, please contact Bruce E. Hasselquist, Ph.D., RSO at 616-391-2498 or via email at bruce.hasselquist@spectrum-health.org.

Thank you for your assistance.

Sincerely,

Lisa A. Shannon
Vice President, Ambulatory Services

Enclosures

NRC FORM 313A (AMP) <small>(10-2006)</small>	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
Joseph William Kettner

Requested Authorization(s) (check all that apply)

<input type="checkbox"/> 35.400 Ophthalmic use of strontium-90	<input type="checkbox"/> 35.600 Teletherapy unit(s)
<input checked="" type="checkbox"/> 35.600 Remote afterloader unit(s)	<input type="checkbox"/> 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 <i>Master of Science</i>	Major Field <i>Medical Physics</i>
College or University <i>University of Wisconsin - Madison</i>	

- 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 *Robert H. Smereka* 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 *Robert H. Smereka* who meets the requirements for an Authorized Medical Physicist.

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

U.S. NUCLEAR REGULATORY COMMISSION

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	Spectrum Health - Blodgett Campus NRC License # 21-00243-06 Siemens - Primus Nucletron - Classe # V2	4/1/2003 to 4/1/2004	4/1/2004 to 4/1/2005
Performing sealed source leak tests and inventories	Spectrum Health - Blodgett Campus NRC License # 21-00243-06 Captec Dose Calibrators	4/1/2003 to 4/1/2004	4/1/2004 to 4/1/2005
Performing decay corrections	Spectrum Health - Blodgett Campus NRC License # 21-00243-06 Excel spreadsheets	4/1/2003 to 4/1/2004	4/1/2004 to 4/1/2005
Performing full calibration and periodic spot checks of external beam treatment unit(s)	N/A		
Performing full calibration and periodic spot checks of stereotactic radiosurgery unit(s)	N/A		
Performing full calibration and periodic spot checks of remote afterloading unit(s)	Spectrum Health - Blodgett Campus NRC License # 21-00243-06 Premier 4000 electrometer + HBR 1000 Plus well chamber	4/1/2003 to 4/1/2004	4/1/2004 to 4/1/2005
Conducting radiation surveys around external beam treatment unit(s), stereotactic radiosurgery unit(s), remote after loading unit(s)	Spectrum Health - Blodgett Campus NRC License # 21-00243-06 Victoreen Ion Chambers	4/1/2003 to 4/1/2004	4/1/2004 to 4/1/2005

Supervising Individual**

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

Robert H. Smercka

NRC License # 21-00243-06

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.

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

U.S. NUCLEAR REGULATORY COMMISSION

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	Robert H. Smereka 4/1/2003 - 4/1/2004		
Safety procedures for the device use	Robert H. Smereka + Nucletron 4/1/2003 - 4/1/2004		
Clinical use of the device	Robert H. Smereka 4/1/2003 - 4/1/2004		
Treatment planning system operation	Robert H. Smereka + Nucletron 4/1/2003 - 5/1/2004		

Supervising Individual: *Robert H. Smereka* License/Permit Number listing supervising individual as an authorized Medical Physicist: *NRC License # 21-00243-06*

If training is provided by Supervising Medical Physicist, (if more than one supervising individual is necessary to document supervised training, provide multiple copies of this page.)

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.

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

U.S. NUCLEAR REGULATORY COMMISSION

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 Joseph W. Kettner 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 Joseph W. Kettner 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 Joseph W. Kettner 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 Joseph W. Kettner 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 Remote afterloader unit(s)
- 35.600 Teletherapy 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 Remote afterloader unit(s)
- 35.600 Teletherapy unit(s)
- 35.600 Gamma stereotactic radiosurgery unit(s)

Name of Preceptor <u>ROBERT H. SMERKA</u>	Signature <u>[Signature]</u>	Telephone Number <u>(231) 832-5817</u>	Date <u>10-15-07</u>
License/Permit Number/Facility Name <u>NRC License # 21-00243-06, Spectrum Health Hospitals</u>			

University of Wisconsin-Madison



The Board of Regents of the University of Wisconsin System,
on the nomination of the faculty, has conferred upon

JOSEPH WILLIAM KETTNER

The Degree of
MASTER OF SCIENCE
MEDICAL PHYSICS

Together with all honors, rights, and privileges belonging to that degree.
In witness whereof, this diploma is granted.

Given at Madison in the State of Wisconsin
this twenty-fifth day of August in the year nineteen hundred ninety-six
and of the University the one hundred forty-sixth.

Katherine Lyall

President, University of Wisconsin System

Dan Ward

Chancellor, University of Wisconsin-Madison

Michael

President of the Board of Regents

The American Board of Radiology

Organized through the cooperation of the
American College of Radiology, the American Roentgen Ray Society,
the American Radium Society, the Radiological Society of North America,
the Section on Radiology of the American Medical Association,
the American Society for Therapeutic Radiology and Oncology, the Association of
University Radiologists, and American Association of Physicists in Medicine

Hereby certifies that

Joseph William Kettner, MS

Has pursued an accepted course of graduate study
and clinical work, has met certain standards and qualifications and
has passed the examinations conducted under the authority of

The American Board of Radiology

On this seventh day of June, 2005

Thereby demonstrating to the satisfaction of the Board
that he is qualified to practice the specialty of

Therapeutic Radiologic Physics



Certificate No. #2668

Steven A. Leibel, M.D.
President

Richard T. Hoppe MD
Secretary-Treasurer

R.P. Hatten MD
Executive Director



Valid through 2015



Nucletron

This certifies that

Mr. Joe Kettner

Spectrum Health, Grand Rapids, MI

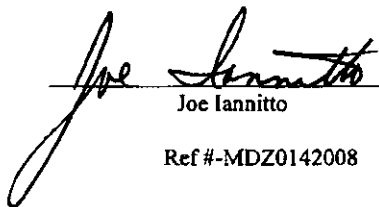
has successfully completed our course on

Brachytherapy Treatment Planning Version 14.2


April 26th-29th, 2004

*At Nucletron
Columbia, MD*

*and has been awarded 15.5 Category A
CE credits as designated by the
American Society of Radiological Technologists
And 12 MDCB Credits Ref #22091*



Joe Iannitto
Ref #-MDZ0142008



Tracy Spurlock
8671 Robert Fulton Drive
Columbia, MD 21046-2788