



February 20, 2012

U.S. Nuclear Regulatory Commission
Region III
2443 Warranville Road, Ste 210
Lisle, IL 60532-4352
Attn: Colleen Casey

Re: NRC License 13-18879-01

Dear Ms. Casey:

This is to inform you that Mr. Liang Q Wang will replace Dr. Sun-Shing Leung as Radiation Safety Officer of Elkhart General Hospital. We like to amend our license to include this. Liang Q Wang is a medical physicist certified by the American Board of Radiology in the specialty of Therapeutic Radiological Physics. He is currently listed as an AMP in our current NRC license number 13-18879-01. He was also listed as a Radiation Safety Officer on NRC License No. 13-18881-01 in 2003.

A copy of Mr. Liang Q Wang ABR certification is enclosed. NRC form 313A(RSO) is also enclosed.

Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read 'S. Steven Leung', is written over a light blue horizontal line.

S. Steven Leung, Ph.D.
Consultation Physicist and RSO

RECEIVED FEB 21 2012

The American Board of Radiology

SEP 28 2004

*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*

gulez

Hereby certifies that

Liang Qing Wang, M.S.

*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*

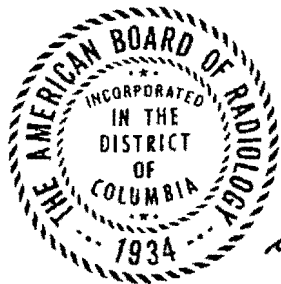
The American Board of Radiology

On this seventh day of November, 1995

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

Therapeutic Radiological Physics

✓



Douglas Maynard MD
President

William J. Jurell MD
Secretary-Treasurer

M. Paul Capp. M.D.
Executive Director

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
13-18881-01

Docket or Reference Number
030-17335

Amendment No. 48

- J. Two sources to be used in ADAC Laboratories Transmission Line Source Housing VANTAGE devices for medical radiography in humans. Two sources in shipping container for replacement of the sources.
- K. Two sources to be used in ADAC Laboratories attenuation correction Model MCD/AC device for medical radiography in humans. Two sources in shipping container for replacement of the sources.
- L. Notwithstanding the requirements of 10 CFR 35.400, the sources may be used in Novoste Model A1000 series devices for intravascular brachytherapy, physics calibrations and quality assurance testing.

CONDITIONS

- 10. Licensed material shall be used only at the licensee's facilities located at 615 N. Michigan Street, South Bend, Indiana.
- 11. Radiation Safety Officer: Liang Wang, M.S.
- 12. Licensed material listed in Item 6 above is only authorized for use by, or under the supervision of, the following individuals for the materials and uses indicated:

Authorized Users

Material and Use

- | | |
|-------------------------|---|
| A. J. L. Wind, M.D. | 10 CFR 35.100, 35.200, 35.300, 35.400, 35.500, Subitem 6.H., gadolinium-153 for medical radiography in humans and cesium-137 for medical radiography in humans. |
| B. F. K. Dean, M.D. | 10 CFR 35.100, 35.200, 35.300, 35.500, Subitem 6.H., gadolinium-153 for medical radiography in humans and cesium-137 for medical radiography in humans. |
| C. R. W. Ashton, M.D. | 10 CFR 35.100, 35.200, 35.300, 35.400, 35.500, Subitem 6.H., gadolinium-153 for medical radiography in humans and cesium-137 for medical radiography in humans. |
| D. J. C. Field, M.D. | 10 CFR 35.100, 35.200, 35.300, 35.500, Subitem 6.H., gadolinium-153 for medical radiography in humans and cesium-137 for medical radiography in humans. |
| E. R. D. Slabaugh, M.D. | 10 CFR 35.100, 35.200, 35.500, Subitem 6.H., gadolinium-153 for medical radiography in humans and cesium-137 for medical radiography in humans. |
| F. L. M. Galup, M.D. | 10 CFR 35.100. |

**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

LIANG WANG

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	License/Permit Number listing supervising individual as a Radiation Safety Officer
This license authorizes the following medical uses: <input type="checkbox"/> 35.100 <input type="checkbox"/> 35.200 <input type="checkbox"/> 35.300 <input 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		
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

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.

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 LIANG WANG 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 _____ 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 LIANG WANG 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 LIANG WANG 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 Elkhart General Hospital
Name of Facility

License/Permit Number: 13-18879-01

Name of Preceptor <u>S. Steven Leung</u>	Signature 	Telephone Number <u>574-523-7851</u>	Date <u>2020-12</u>
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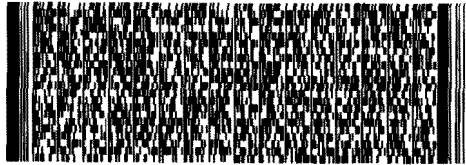
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ORIGIN ID: SBNA (574) 523-3287
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ELKHART GENERAL HOSPITAL
600 EAST BLVD
ELKHART, IN 46514
UNITED STATES US

SHIP DATE: 20FEB12
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BILL THIRD PARTY

TO **ATTEN: COLLEEN CASEY**
US REGULATORY COMMISSION REGION III
2443 WARRENVILLE RD
SUITE 210
LISLE IL 605324352

DEPT: RADIATION ONCOLOGY



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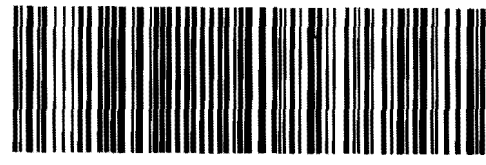
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