

**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

Mirel Palamaru

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 (gamma stereotactic radiosurgery)	<input type="checkbox"/> 35.600 (teletherapy)
	<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)

<p>Supervising Individual <i>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.)</i></p>	<p>License/Permit Number listing supervising individual</p>
<p>License/Permit lists supervising individual as:</p> <p><input type="checkbox"/> Radiation Safety Officer <input type="checkbox"/> Authorized User <input type="checkbox"/> Authorized Nuclear Pharmacist</p> <p><input type="checkbox"/> Authorized Medical Physicist</p> <p>Authorized as RSO, AU, ANP, or AMP for the following medical uses:</p> <p><input type="checkbox"/> 35.100 <input type="checkbox"/> 35.200 <input type="checkbox"/> 35.300 <input type="checkbox"/> 35.400</p> <p><input type="checkbox"/> 35.500 <input type="checkbox"/> 35.600 (remote afterloader) <input type="checkbox"/> 35.600 (teletherapy)</p> <p><input type="checkbox"/> 35.600 (gamma stereotactic radiosurgery) <input type="checkbox"/> 35.1000 (_____)</p>	

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 Mirel Palamaru 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)

AND

Third Section
Complete for ALL

I attest that Mirel Palamaru 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 The Community Hospital
Name of Facility

License/Permit Number: 13-15882-01

Name of Preceptor
Eric Ziegler PhD

Signature
Eric Ziegler PhD

Telephone Number
224 766 0750

Date
2/11/10



Continuing Medical Education
<http://cme.uthscsa.edu>
E-Mail: cme@uthscsa.edu

CERTIFICATE OF ATTENDANCE

The UT Health Science Center San Antonio School of Medicine

Certifies that

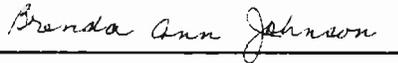
Mirel Palamaru, MS, DABR

has participated in the educational activity titled,

Radiation Safety Officer's Course

at San Antonio, Texas, on January 8-12, 2007.

This activity is designated for **36.0** AMA PRA Category 1 Credit(s)™.



Brenda Johnson, MEd, CCMEP
Director, Continuing Medical Education

**Radiation Safety Officer's Course
Class Schedule – January 8-12, 2007**

<p>COURSE LOCATION Oak Hills Medical Center Hotel & Suites 7401 Wurzbach Road, San Antonio, TX 78201 (210) 614-9900 or (800) 468-3507 Fax: (210)614-2105</p>
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	TOPIC	INSTRUCTOR
<u>Monday, January 8, 2007</u>		
8:00 - 11:50	Nuclear Regulatory Commission Regulations State and Federal X-Ray Standards (Part I)	Maria D. Gonzales
11:50 - 1:00	Lunch (on your own)	
1:00 - 4:50	Nuclear Regulatory Commission Regulations State and Federal X-Ray Standards (Part II)	Maria D. Gonzales
<u>Tuesday, January 9, 2007</u>		
8:00 - 11:50	Definitions, Scientific Formulas and Basic Physics Formulas Used in Radiation Safety	Robert G. Waggener, PhD
11:50 - 1:00	Lunch (on your own)	
1:00 - 2:50	Radiation Detectors Performing Radiation Surveys	Maria D. Gonzales
3:00 - 4:50	Receipt and Disposal of RAM How to Successfully Pass Inspections	Maria D. Gonzales
<u>Wednesday, January 10, 2007</u>		
8:00 - 9:50	Radiation Detectors	Elena Nes, MS
10:00 - 11:50	Machine-Produced Radiation Safety	Elena Nes, MS
11:50 - 1:00	Lunch (on your own)	
1:00 - 2:50	Practical Scenarios Encountered by RSO Security of Radioactive Material, RAM	Elena Nes, MS
3:00 - 4:50	Radiation Safety Program Training/Management of Radiation Emergencies	Elena Nes, MS
<u>Thursday, January 11, 2007</u>		
8:00 - 9:50	Calibration of Survey Instruments	Dennis Tyll
10:00 - 11:50	Personnel Dosimetry and Associated Problems In A Radiation Safety Program	Dennis Tyll
11:50 - 1:00	Lunch (on your own)	
1:00 - 2:50	Radioactive Waste Disposal at a Large Medical and Research License	Dennis Tyll
3:00 - 4:50	Contamination Surveys and Surveys of Radiation Exposures	Dennis Tyll
<u>Friday, January 12, 2007</u>		
8:00 - 9:50	Employee Litigation Experience	Dennis Tyll
10:00 - 11:50	*Radiation Risk Estimation Using Current Models and Counseling Exposed Personnel About Possible Effects From Medical and Worker Exposure Including Radiation Terrorist Incidents. *Growing Uses of Radiation in the Modern World and Comparison of Medical Radiation Exposure Risk With Other Risks.	Robert G. Waggener, PhD

January 18, 2010

Medical Physics Department

Materials Licensing Branch
USNRC Region III
2443 Warrenville Road
Lisle, IL 60532-4351

RE: 13-01148-01 License amendment

Dear Sirs:

We wish to make Mirel Palamaru, MS, DABR, the Radiation Safety Officer as of January 18, 2010. Mr. Palamaru has been granted a certificate in Therapeutic Radiological Physics by the ABR and is eligible to be an RSO.

If you need additional information, please contact Mirel Palamaru at 219-836-7368 Voice, 219-852-6487 Fax, or mpalamaru@comhs.org E-mail.

Sincerely,



Rose M. Garcia, Vice President
Diagnostic & Therapeutic Services

cc: RSC

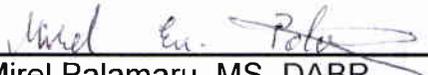
ST. CATHERINE *H*ospital

January 10, 2010

Mirel Palamaru, MS, DABR has been appointed Radiation Safety Officer for Saint Catherine Hospital, East Chicago as of January 18th, 2010, and is responsible for ensuring the safe use of radiation. The RSO is responsible for managing the radiation protection program; identifying radiation protection problems; initiating, recommending, or providing corrective actions; verifying implementation of corrective actions; stopping unsafe activities; and ensuring compliance with regulations.

The RSO is hereby delegated the authority necessary to meet those responsibilities, including prohibiting the use of radioactive material by employees who do not meet the necessary requirements and shutting down operations where justified by radiation safety. The RSO is required to notify management of any situation where staff members are not cooperating and not addressing radiation safety issues. In addition the RSO is free to raise issues with the Nuclear Regulatory Commission and the state of Indiana Board of Health at anytime.

I accept the above responsibilities,


Mirel Palamaru, MS, DABR


Rose Garcia, Division Director
Diagnostic and Therapeutic Services

Training



Certificate

granted to
Mr. Mirel-Eugen Palamaru
Radiation Therapy Services
Nassau, Bahamas

for completing
the following course
Brachytherapy Treatment Planning
Version 14.2

date
August 29th-September 1st, 2005
Nucletron – Columbia, Maryland USA

A handwritten signature in cursive script that reads 'Janice Stahl'.

Janice Stahl
Instructor



Certificate expires two years after last course day
19 MDCB Credits, MDCB Ref # MDCB041561
15.5 Category A CE, ASRT Ref #-MDZ0142008

A handwritten signature in cursive script that reads 'Mahta Mirzaei'.

Mahta Mirzaei
Instructor

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 Radiation Oncology, the Association of
University Radiologists, and the American Association of Physicists in Medicine

Hereby certifies that

Mirel Eugen Palamaru, 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 third day of June, 2009

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

Therapeutic Radiologic Physics

AMR Eligible



Certificate No. P4250

H. Reed Jennicks, MD
President

Richard I. Morin
Secretary-Treasurer

Hayden Schultz
Executive Director



Valid through 2019

Mirel Palamaru, MS, DABR
Regional Director of Medical Physics
Community Healthcare System / *Lutherine Hospital*
901 MacArthur Blvd.,
MUNSTER, IN 46321

U.S. NRC Region III
2443 Warrenville Road
Suite 210
Lisle, Illinois 60532-4352

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