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To: **NRC** Fax: **630.515.1078**  
 From: **Matthew Hall** Date: **10/2/2009**  
 Re: **NRC Form 313A (RSO)** Pages: **7**  
 Attn: **Materials Licensing**

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**To Whom It May Concern:**

The following is the signed radiation safety officer training and experience and preceptor attestation form (NRC FORM 313A (RSO)). If you require any further information from us please do not hesitate to ask.

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Signed: Matthew Hall



NRC FORM 313A (RSO)  
(3-2008)

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: 3/31/2012

Name of Proposed Radiation Safety Officer  
Thomas P. Ryan, D.O.

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	Orlando, FL	40	6/14/08-6/22/08
Radiation protection	Orlando, FL & San Francisco, CA	40	6/14/08-6/22/08 & 9/6/08-9/14/08
Mathematics pertaining to the use and measurement of radioactivity	Orlando, FL & San Francisco, CA	40	6/14/08-6/22/08 & 9/6/08-9/14/08
Radiation biology	Orlando, FL & San Francisco, CA	40	6/14/08-6/22/08 & 9/6/08-9/14/08
Radiation dosimetry	Orlando, FL & San Francisco, CA	40	6/14/08-6/22/08 & 9/6/08-9/14/08
<b>Total Hours of Training:</b>		<b>200.0</b>	

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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	Fort Wayne, IN/ 13-32694-01	7/12/08-9/14/09
Using and performing checks for proper operation of instruments used to determine the activity of dosages, survey meters, and instruments used to measure radionuclides	Fort Wayne, IN/ 13-32694-01	7/12/08-9/14/09
Securing and controlling byproduct material	Fort Wayne, IN/ 13-32694-01	7/12/08-9/14/09
Using administrative controls to avoid mistakes in administration of byproduct material	Fort Wayne, IN/ 13-32694-01	7/12/08-9/14/09
Using procedures to prevent or minimize radioactive contamination and using proper decontamination procedures	Fort Wayne, IN/ 13-32694-01	7/12/08-9/14/09
Using emergency procedures to control byproduct material	Fort Wayne, IN/ 13-32694-01	7/12/08-9/14/09
Disposing of byproduct material	Fort Wayne, IN/ 13-32694-01	7/12/08-9/14/09
Licensed Material Used (e.g., 35.100, 35.200, etc.)+ _____ 35.200: Tc-99m, 19.381 Ci _____ 35.200: Tl-201, 5 mCi _____ _____	Fort Wayne, IN/ 13-32694-01	7/12/08-9/14/09

\* 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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**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 <b>Bhaktavatsala R. Apuri, M.D.</b>	License/Permit Number listing supervising individual as a Radiation Safety Officer <b>13-32694-01</b>
This license authorizes the following medical uses:	
<input type="checkbox"/> 35.100	<input checked="" type="checkbox"/> 35.200
<input type="checkbox"/> 35.500	<input type="checkbox"/> 35.300
<input type="checkbox"/> 35.600 (gamma stereotactic radiosurgery)	<input type="checkbox"/> 35.400
	<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	Institute for Nuclear Medical Education & Bhaktavatsala R. Apuri, M.D.	6/14/08-6/22/08 & 7/12/08-9/14/09
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):		

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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 <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>	License/Permit Number listing supervising individual
Bhaktavatsala R. Apuri, M.D.	13-32694-01

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 \_\_\_\_\_ 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**

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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 Thomas P. Ryan, D.O. 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 Thomas P. Ryan, D.O. 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:

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**AND**

**Third Section  
Complete for ALL**

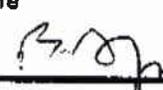
I attest that Thomas P. Ryan, D.O. has achieved a level of radiation safety knowledge  
Name of Proposed Radiation Safety Officer  
sufficient to function independently as a Radiation Safety Officer for a medical use licensee.

**Fourth Section  
Complete the following for Preceptor Attestation and signature**

I am the Radiation Safety Officer for Fort Wayne Cardiovascular Imaging, LLC  
Name of Facility

License/Permit Number: 13-32694-01

Name of Preceptor  
Bhaskaravatsala R. Apuri, M.D.

Signature  


Telephone Number  
(260) 434-1177

Date  
9/28/09