



**ST. JOHN'S
REGIONAL MEDICAL CENTER**

CENTER FOR CANCER CARE
2727 McCLELLAND BOULEVARD ■ JOPLIN, MISSOURI 64804
417-625-2182 ph. ■ 417-625-2496 fax

U. S. Nuclear Regulatory Commission
Region III
Materials Licensing Section
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532

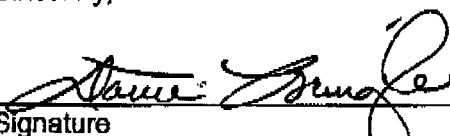
License Number 24-01090-03

Dear Materials Licensing Section:

Please amend our materials license to list Leslie Behm, M.S., as our Radiation Safety Officer (RSO). In support of this request we have attached Administrations appointment of Leslie as RSO and her acceptance of the RSO's duties and responsibilities. Leslie has had experience as an assistant RSO at another NRC licensee while being listed on their license as an Authorized Medical Physicist. The attached NRC FORM 313A (RSO) details Ms. Behm's training and experience as an RSO, and attestation that Leslie can function independently as a RSO.

If you have any questions regarding this amendment application, please contact Whit Sanders, Manager Radiation Oncology at (417) 625-2937.

Sincerely,


Signature

DOTTIE BRINGLE
Name

COO/CNO
Title

5/17/11
Date

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REGIONAL MEDICAL CENTER****CENTER FOR CANCER CARE**
2727 McCLELLAND BOULEVARD ■ JOPLIN, MISSOURI 64804
417-625-2182 ph. ■ 417-625-2498 fax**Duties and Responsibility of the Radiation Safety Officer (RSO)**


The Radiation Safety Officer(RSO) is responsible for implementing the radiation safety program. The licensee, through the Radiation Safety Officer, shall ensure that radiation safety activities are being performed in accordance with approved procedures and regulatory requirements in the daily operation of the licensee's Radioactive Material Program.

The duties and responsibilities of the Radiation Safety Officer will include ensuring the following:

- Stopping unsafe activities involving licensed material;
- Radiation exposures are ALARA;
- Up-to-date radiation protection procedures in the daily operation of the licensee's byproduct material program are developed, distributed, and implemented;
- Possession, use, and storage of licensed material is consistent with the limitations in the license, the regulations, the SSDR Certificate(s), and the manufacturer's recommendations and instructions;
- Individuals installing, relocating, maintaining, adjusting, or repairing devices containing sealed sources are trained and authorized by an NRC or Agreement State license;
- Personnel training is conducted and is commensurate with the individual's duties regarding licensed material;
- Documentation is maintained to demonstrate that individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits or that personnel monitoring devices are provided;
- When necessary, personnel monitoring devices are used and exchanged at the proper intervals, and records of the results of such monitoring are maintained;
- Licensed material is properly secured;
- Documentation is maintained to demonstrate, by measurement or calculation, that the total effective dose equivalent to the individual likely to receive the highest dose from the licensed operation does not exceed the annual limit for members of the public;

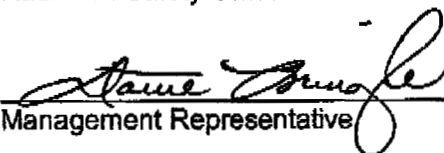
- Proper authorities are notified of incidents such as loss or theft of licensed material, damage to or malfunction of sealed sources, and fire;
- Medical events and precursor events are investigated and reported to NRC, and cause(s) and appropriate corrective action(s) are identified, and timely corrective action(s) are taken;
- Audits of the radiation protection program are performed at least annually and documented;
- If violations of regulations, license conditions, or program weaknesses are identified, effective corrective actions are developed, implemented, and documented;
- Licensed material is transported, or offered for transport, in accordance with all applicable DOT requirements;
- Licensed material is disposed of properly;
- Appropriate records are maintained; and
- An up-to-date license is maintained and amendment and renewal requests are submitted in a timely manner.

I accept the duties and responsibilities of the Radiation Safety Officer for St. John's Regional Medical Center, Lic. No. 24001090-03.

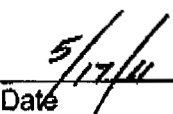


Leslie Behm, M.S.
Authorized Medical Physicist

Administration of St. John's Regional Medical Center appoints Leslie Behm as Radiation Safety Officer.



Management Representative



Date

NRC FORM 313A (R50) <small>(3-2009)</small>	U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3150-0120 EXPIRES: 3/31/2012																												
RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION [10 CFR 35.50]																														
Name of Proposed Radiation Safety Officer Leslie Behm, M.S.																														
Requested Authorization(s) The license authorizes the following medical uses (check all that apply): <table style="width: 100%;"><tr><td><input checked="" type="checkbox"/> 35.100</td><td><input checked="" type="checkbox"/> 35.200</td><td><input checked="" type="checkbox"/> 35.300</td><td><input checked="" type="checkbox"/> 35.400</td><td><input type="checkbox"/> 35.500</td><td><input type="checkbox"/> 35.600 (remote afterloader)</td></tr><tr><td><input type="checkbox"/> 35.800 (teletherapy)</td><td><input type="checkbox"/> 35.800 (gamma stereotactic radiosurgery)</td><td colspan="4"><input type="checkbox"/> 35.1000 ()</td></tr></table>			<input checked="" type="checkbox"/> 35.100	<input checked="" type="checkbox"/> 35.200	<input checked="" type="checkbox"/> 35.300	<input checked="" type="checkbox"/> 35.400	<input type="checkbox"/> 35.500	<input type="checkbox"/> 35.600 (remote afterloader)	<input type="checkbox"/> 35.800 (teletherapy)	<input type="checkbox"/> 35.800 (gamma stereotactic radiosurgery)	<input type="checkbox"/> 35.1000 ()																			
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<input type="checkbox"/> 35.800 (teletherapy)	<input type="checkbox"/> 35.800 (gamma stereotactic radiosurgery)	<input type="checkbox"/> 35.1000 ()																												
PART I - TRAINING AND EXPERIENCE <i>(Select one of the four methods below)</i>																														
<p>*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.</p>																														
<input type="checkbox"/> 1. Board Certification <ul style="list-style-type: none">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																														
<input type="checkbox"/> 2. Current Radiation Safety Officer Seeking Authorization to Be Recognized as a Radiation Safety Officer for the Additional Medical Uses Checked Above <ul style="list-style-type: none">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																														
<input type="checkbox"/> 3. Structured Educational Program for Proposed Radiation Safety Officer <ul style="list-style-type: none">a. Classroom and Laboratory Training																														
<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 35%;">Description of Training</th><th style="width: 35%;">Location of Training</th><th style="width: 15%;">Clock Hours</th><th style="width: 15%;">Dates of Training*</th></tr></thead><tbody><tr><td>Radiation physics and instrumentation</td><td></td><td></td><td></td></tr><tr><td>Radiation protection</td><td></td><td></td><td></td></tr><tr><td>Mathematics pertaining to the use and measurement of radioactivity</td><td></td><td></td><td></td></tr><tr><td>Radiation biology</td><td></td><td></td><td></td></tr><tr><td>Radiation dosimetry</td><td></td><td></td><td></td></tr><tr><td colspan="4" style="text-align: center;">Total Hours of Training:</td></tr></tbody></table>			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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NRC FORM 313A (R90)
(3-2004)

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***(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 radiotopes 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).

PAGE 7

NRC FORM 11SA (RSO) (9-2009)		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)			
<i>(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)</i>			
Supervising Individual John M. Pacyniak, Ph.D., FACMP, DABR, RSO		License/Permit Number listing supervising individual as a Radiation Safety Officer 24-01143-06	
This license authorizes the following medical uses:			
<input checked="" type="checkbox"/> 35.100	<input checked="" type="checkbox"/> 35.200	<input checked="" type="checkbox"/> 35.300	<input checked="" type="checkbox"/> 35.400
<input type="checkbox"/> 35.500	<input checked="" 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 ^a	
Radiation safety, regulatory issues, and emergency procedures for 35.100, 35.200, and 35.600 uses	John Pacyniak - Leslie observed and RSO training Leslie Behm functioned as Assistant RSO under Lic. # 24-01143-06	06/06 to 11/09 01/07 to 11/09	
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses	John Pacyniak - Leslie observed and RSO training Leslie Behm functioned as Assistant RSO under Lic. # 24-01143-06	06/06 to 11/09 01/07 to 11/09	
Radiation safety, regulatory issues, and emergency procedures for 35.400 uses	John Pacyniak - Leslie observed and RSO training Leslie Behm functioned as Assistant RSO under Lic. # 24-01143-06	06/06 to 11/09 01/07 to 11/09	
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	John Pacyniak - Leslie observed and RSO training Leslie Behm functioned as Assistant RSO & AMP under Lic. # 24-01143-06	06/06 to 11/09 01/07 to 11/09	
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 (R50) (9-2009)	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)	
a. 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:	
<input type="checkbox"/> Radiation Safety Officer <input type="checkbox"/> Authorized User <input type="checkbox"/> Authorized Nuclear Pharmacist <input type="checkbox"/> Authorized Medical Physicist	
Authorized as RSO, AU, ANP, or AMP for 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 ()	
d. Skip to and complete Part II Preceptor Attestation.	
OR	
<input checked="" type="checkbox"/> 4. Authorized User, Authorized Medical Physicist, or Authorized Nuclear Pharmacist identified on the licensee's license	
a. Provide license number. <u>24-01143-06</u>	
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:	
<input type="checkbox"/> 1. Board Certification	
<input type="checkbox"/> I attest that _____ has satisfactorily completed the requirements in <small>Name of Proposed Radiation Safety Officer</small> 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	
<input type="checkbox"/> 2. Structured Educational Program for Proposed Radiation Safety Officers	
<input type="checkbox"/> I attest that _____ has satisfactorily completed a structural educational <small>Name of Proposed Radiation Safety Officer</small> 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 913A (R50)
(3-2005)

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 Leslie Behm, M.S. is an

Name of Proposed Radiation Safety Officer

☐ Authorized User☐ Authorized Nuclear Pharmacist☒ Authorized Medical Physicist

identified on the Licensee's 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 Leslie Behm, M.S. 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:

NRC FORM 313A (RSD) (3-2002)		U.S. NUCLEAR REGULATORY COMMISSION	
RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)			
AND			
Third Section Complete for ALL			
<input checked="" type="checkbox"/> I attest that <u>Leslie Behm, M.S.</u> has achieved a level of radiation safety knowledge <small>Name of Proposed Radiation Safety Officer</small> 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 <u>Lester E. Cox Medical Center</u> <small>Name of Facility</small>			
License/Permit Number: <u>24-01143-05</u>			
Name of Preceptor John Clouse, M.D.	Signature 	Telephone Number (417) 269-6115	Date 4-14-11

