



Sirs,

In preparation for the retirement of our current RSO, Dr. Frederick Smeltzer M.D., we would like to petition for an amendment to our current Medical Materials License **24-18678-01**. We would like to relieve Dr. Smeltzer from his current RSO responsibilities by replacing him with Dr. Michael Joseph Vierra M.D. as our new RSO as of July 1, 2012. Dr. Vierra is an Authorized User on our current license and will be responsible for managing our Radiation Safety Program; identifying radiation safety problems; initiating, recommending or providing corrective actions; and ensuring compliance with regulations. To this effect Dr. Vierra has been precepted by Dr. Smeltzer and has had correspondence with our consulting Health Physicist, Dr. William Logan in regards to these issues. We appreciate your consideration in this amendment request and would be happy to address any issues or recommendations you may have.

Thank You,

Nathan Evans, CNMT  
573-348-8358

RECEIVED MAY 14 2012

**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

Michael Joseph Vierra, M.D.Requested Authorization(s) *The license authorizes the following medical uses (check all that apply):*

<input checked="" type="checkbox"/> 35.100	<input checked="" 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 (			

**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**

- Provide a copy of the board certification.
- Use Table 3.c. to describe training in radiation safety, regulatory issues, and emergency procedures for all types of medical use on the license.
- 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**

- 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.
- 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	Frederick M. Smeltzer M.D.	1-1-12 - 5-1-12
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses	preceptored for 35.100 & 35.200 policy & procedure reviews also review with Dr. William Logan PhD our consulting Health Physicist.	
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

Frederick M. Smeltzer M.D.

24-18678-01

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:

- |   |  |   |                                 |
|---|--|---|---------------------------------|
| <input checked="" type="checkbox"/> 35.100                        | <input checked="" 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

**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

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 Michael Joseph Vierra, MD 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 Michael Joseph Vierra, MD 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

X I attest that Michael Joseph Vierra, M.D. 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

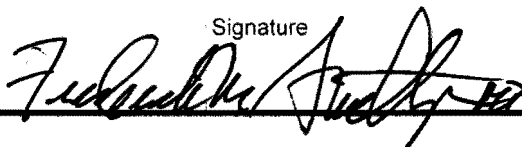
I am the Radiation Safety Officer for Lake Regional Health System  
Name of Facility

License/Permit Number: 24-18678-01

FREDERICK M. SMELTZER, H.D.

Name of Preceptor

Signature

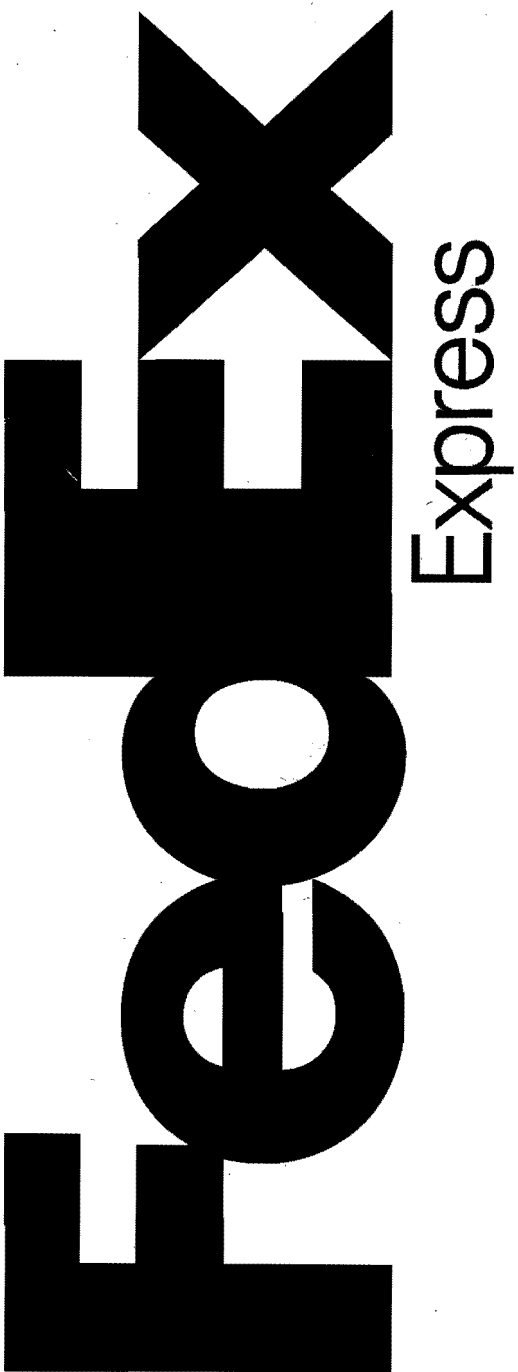


Telephone Number

Date

573-348-8358

4-26-12



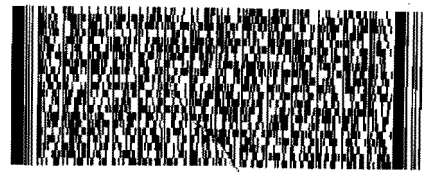
From: (573) 348-8000  
NATHAN EVANS  
Lake Regional Health System  
54 Hospital Drive  
NUCLEAR MEDICINE  
Osage Beach, MO 65065

Origin ID: JEFA



SHIP TO: (000) 000-0000  
REGION 3  
NUCLEAR REGULATORY COMMISSION  
2442 WARRENVILLE ROAD STE: 210  
LISLE, IL 60532

BILL SENDER



Ship Date: 11MAY12  
ActWgt: 1.0 LB  
CAD: 9928125/NET3250

Delivery Address Bar Code



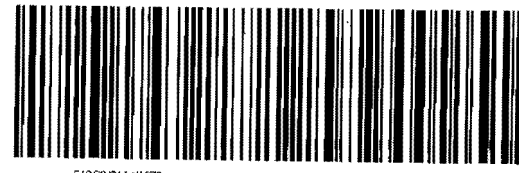
Ref #  
Invoice #  
PO #  
Dept #

MON - 14 MAY A1  
STANDARD OVERNIGHT

TRK# 7935 5796 8754  
0201

XH BDFA

60532  
IL-US  
ORD



512G3M1A41A278

*The World On Time.*

En<sup>6</sup>lope  
RT 373  
FZ  
B 8754 05.14

Align bottom of Peel and Stick Airbill here.