

NRC FORM 313A (ANP)  
(3-2009)

U.S. NUCLEAR REGULATORY COMMISSION

**AUTHORIZED NUCLEAR PHARMACIST TRAINING AND EXPERIENCE  
AND PRECEPTOR ATTESTATION (continued)**

**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:

Board Certification

☐ I attest that \_\_\_\_\_ has satisfactorily completed the requirements in

Name of Proposed Authorized Nuclear Pharmacist

10 CFR 35.55(a)(1), (a)(2), and (a)(3) and has achieved a level of competency sufficient to function independently as an authorized nuclear pharmacist.

OR

Structured Educational Program

☒ I attest that John Vandsveen has satisfactorily completed a 700-hour structured

Name of Proposed Authorized Nuclear Pharmacist

educational program consisting of both 200 hours of classroom and laboratory training, and practical experience in nuclear pharmacy, as required by 10 CFR 35.55(b)(1) and has achieved a level of competency sufficient to function independently as an authorized nuclear pharmacist.

**Second Section**

Complete the following for preceptor attestation and signature:

I am an Authorized Nuclear Pharmacist for

Radiopharmacy, Inc.  
Nuclear Pharmacy or Medical Facility

13-26246-01 MD  
License/Permit Number

Name of Preceptor

Signature

Telephone Number

Date

Timothy M. Quisten

[Signature]

812-421-1002

12/3/10



## Radiopharmacy, Inc.

1409 East Virginia Street, Suite A  
Evansville, IN 47711  
(812) 421-1002

Friday, December 03, 2010

U. S. Nuclear Regulatory Commission  
Region III  
Materials Licensing Section  
801 Warrenville Road  
Lisle, IL 60532

*To whom it may concern:*

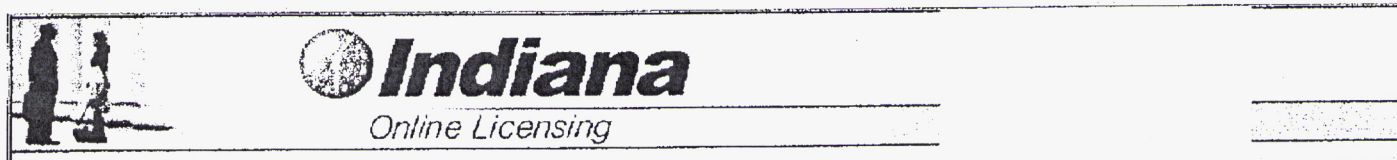
I am writing to request an amendment to radioactive material license number 13-26246-01MD issued to Radiopharmacy, Inc. of Evansville, IN. I request that this amendment be expedited because of a current staff shortage. Your help speeding things along would be greatly appreciated.

I request that the following person be listed on the license to use or supervise the use of licensed material as an authorized nuclear pharmacist:

John Vardsveen-Training and experience documentation enclosed

John Vardsveen graduated from St. Louis College of Pharmacy in May 2010, and has worked full time at Radiopharmacy, Inc. in Evansville, IN since July 12, 2010. As of December 1<sup>st</sup>, he has accumulated 800 hours of his total experience working with licensed material under my supervision. This serves as written certification that he has satisfactorily completed training required in 10 CFR, 35.980:

- (1) Has completed 800 hours in a structured educational program consisting of both:
  - (i) Didactic training in the following areas:
    - (A) Radiation physics and instrumentation;
    - (B) Radiation protection;
    - (C) Mathematics pertaining to the use and measurement of radioactivity;
    - (D) Chemistry of byproduct material for medical use; and
    - (E) Radiation biology; and
  - (ii) Supervised experience in a nuclear pharmacy involving the following:
    - (A) Shipping, receiving, and performing related radiation surveys;
    - (B) Using and performing checks for proper operation of dose calibrators, survey meters, and if appropriate, instruments used to measure alpha- or beta-emitting radionuclides;

**Search Results**

Search Results are limited to 500 records. If the license you are searching for is not in the list, try searching by license number or repeating your search with more criteria.

For a more detailed view of a licensee's background, select the licensee name from the alphabetical list below. Click the numbers below the grid to see additional pages of licensees. To return to the Search page, use the Search Again button below. (Do not use the browser Back key.)

[Search Again](#)

Sort Name	License Number	Profession	License Type	License Status	City	State
<a href="#">Vardaveen, John H.</a>	26023928A	Pharmacy Board	Pharmacist	Active	Evansville	IN
1						



Figure G-2

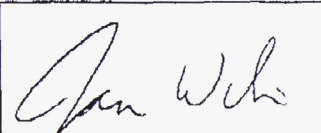
Authorized User and Radiation Safety Officer

Experience in Handling Radioisotopes

(Actual use of radioisotopes under the supervision of an authorized user or Radiation Safety Officer, respectively)

Name (Last, First, Initial)		Vardsveen, John		
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Isotope(s)	Maximum amount used at any one time	Location of use	Purpose of use*	Total Hours of Experience
Tc-99m	10 Ci	Radiopharmacy, Inc.	1,2,4,5,6	800 hours - 7/12/10 to 12/01/10
Tl-201	120 mCi	1409 E. Virginia St.	1,2,4,5,6	
Ga-67	15 mCi	Evansville, IN 47711	1,2,4,5,6	
Mo-99	15 Ci	for all experience	1,2,4,5,6	
Xe-133	250 mCi	noted	1,2,4,5,6	
I-123	4 mCi		1,2,4,5,6	
I-131	1 Ci		1,2,4,5,6	
In-111	6 mCi		1,2,4,5,6	
Cs-137	0.2 mCi		1,2,4,5,6	
Co-57	15 mCi		1,2,4,5,6	
Cr-51	0.25 mCi		1,2,4,5,6	
Sr-89	4 mCi		1,2,4,5,6	
Sm-153	150 mCi		1,2,4,5,6	
I-125	100 mCi		1,2,4,5,6	
Pd-103	150 mCi		1,2,4,5,6	

Signature of Preceptor Authorized Nuclear Pharmacist: "I certify that the above described training/experience has been satisfactorily completed and that the individual has achieved a level of competency sufficient to independently operate a nuclear pharmacy."		Date 12-3-10
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**\*Purpose of use**

1. Shipping, receiving, and performing related radiation surveys
2. Using and performing checks for proper operation of dose calibrators, survey meters, and other instruments used to measure photon-and high energy beta-emitting radionuclides
3. Using and performing checks for proper operation of instruments used to measure alpha-and low energy beta-emitting radionuclides
4. Calculating, assaying, and safely preparing dosages for patients or human research subjects
5. Use of administrative controls to avoid mistakes in the administration of byproduct material
6. Use of procedures to prevent or minimize contamination and/or use of proper decontamination procedures



University of Arkansas for Medical Sciences  
and  
The University of New Mexico Health Sciences Center

Nuclear Pharmacist Education

**John Vardsveen**

Didactic Courses	Nuclear Physics	Instrumentation	Radiochemistry	Radiation Safety	Radiation Biology	Radiopharmacology	Total
Radiation Physics & Instrumentation	60	40					100
Radiation Protection				30			30
Math & Measure of Radioactivity	10	5		5			20
Radiation Biology					20		20
Radiopharmaceutical Chemistry			30				30
Clinical Radiopharmacy						50	50
TOTALS	70	45		35	20	50	250

Course dates: August 1 – November 1, 2010

*Nicki Hilliard*

Nicki L. Hilliard, Pharm.D., BCNP  
Associate Professor of Nuclear Pharmacy

*Jeffrey Norenberg*  
Jeffrey Norenberg, Pharm.D., M.S., BCNP  
Associate Professor of Nuclear Pharmacy

Revised April 2006

Dec 03 10 01:21p

Radiopharmacy, Inc.

812-421-1004

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## FAX COVER SHEET



1409 East Virginia St.  
Evansville, IN 47711  
Phone: 812-421-1002  
Fax: 812-421-1004

<b>Send To:</b> US NRC - Toye Simmons	<b>From:</b> Radiopharmacy, Inc.
<b>Attention:</b> Toye Simmons	<b>Date:</b> 12/3/10
<b>Office Location:</b>	<b>Office Location:</b> Evansville, IN
<b>Fax Number:</b> 630-515-1078	<b>Phone Number:</b> 812-421-1002



Urgent



Reply ASAP



Please Comment



Please Review



For Your Information

Total Pages, Including Cover: 7

## COMMENTS: