

December 23, 2013

Lizette Roldan-Otero, PhD  
US Nuclear Regulatory Commission, Region IV  
Nuclear Material Licensing Branch  
1600 East Lamar Boulevard  
Arlington, Texas 76011-4511

**PUBLIC**

☐ Immediate Release  
☒ Normal Release

**NON-PUBLIC**

☐ A.3 Sensitive-Security Related  
☐ A.7 Sensitive Internal  
☐ Other: \_\_\_\_\_

Reviewer: KITZ

Date: 12-26-13

Dear Dr. Roldan-Otero,

Please consider this amendment request for RAM License #11-29216-01MD (Advanced Isotopes of Idaho). Our current RSO, Troy Curnutt, has rather suddenly decided to leave the company effective December 31, 2013. The remaining two owners are now Catherine Heyneman, PharmD, ANP and Nicole Chopski, PharmD, ANP. In order to remain in full compliance, we are requesting an expedited evaluation of Dr. Catherine Heyneman's application for approval as radiation safety officer (RSO).

I have been the pharmacist-in-charge (manager) of Advanced Isotopes of Idaho since February of 2006. As an authorized nuclear pharmacist (ANP) I have assumed the duties of the RSO in his absence and ensured compliance with state and federal regulations and the terms and conditions of our license. These responsibilities have included:

1. General surveillance over all activities involving radioactive material, including monitoring and special surveys.
2. Ensuring compliance with NRC rules and regulations, as well as conditions of the Radioactive Material License.
3. Monitoring the performance of fume hoods that are associated with isotope work.
4. Serving as the primary source of radiation protection information for personnel at all levels of responsibility.
5. Supervising and coordinating the receipt, opening, and delivery of all shipments of radioactive material at the nuclear pharmacy.
6. Supervising the distribution and processing of personnel monitoring equipment.
7. Conducting training programs in proper procedures for the use of radioactive material.
8. Supervising and coordinating the radioactive waste disposal program.
9. Supervising the safe storage of all radioactive materials not in current use.
10. Ensuring that sealed sources are leak tested at proper intervals.
11. Maintaining an inventory of all radioactive materials and limiting the quantity of radionuclides at the facility to the amounts authorized by the license.
12. Investigation of incidents involving byproduct material.

h 582753

As Associate Dean of the Idaho State University College of Pharmacy, I have taught elective courses in nuclear pharmacy since 2007 and have precepted many interns as both Introductory Pharmacy Practice Experience and Advanced Pharmacy Practice Experience students. I have also precepted several pharmacists pursuing their advanced practice status as ANPs. I have also been a member of Idaho State University's Radiation Safety Committee for many years.

I have attached documentation of my formal training from Purdue University as well as experiential training for your review.

If you have any questions or need additional information, I can be reached at (208) 390-3961 at any time. Thank you very much.

Sincerely,

A handwritten signature in black ink, appearing to read "Catherine Heyneman". The signature is fluid and cursive, with a large loop at the end.

Catherine Heyneman, PharmD, ANP



SCHOOL OF PHARMACY AND PHARMACAL SCIENCES

June 6, 2005

Catherine Heyneman  
2555 Woodhill Way  
Pocatello, ID 83201

Dear Catherine,

We are pleased to provide the enclosed certificate to recognize formally your completion of the Nuclear Pharmacy Certificate Program. We enjoyed the brief opportunity to share our knowledge from the world of academia. We wish you the very best for a gratifying and successful professional career.

As you continue on in your career, please do not hesitate to let us know if we can be of any assistance to you – we consider you part of the "Purdue family" and we look forward to hearing from you in the future!

Sincerely,

A handwritten signature in cursive script that reads "Kara D. Weatherman".

Kara Duncan Weatherman, PharmD, BCNP  
Director – Nuclear Pharmacy Certificate Programs  
Division of Nuclear Pharmacy



*Division of Nuclear Pharmacy, Department of Industrial and Physical Pharmacy*

Heine Pharmacy Building, Room 308 575 Stadium Mall Drive West Lafayette, IN 47907-2091  
(765) 494-1441 Fax: (765) 496-3367 URL: [www.purdue.edu/nuclearpharmacy](http://www.purdue.edu/nuclearpharmacy)

PURDUE UNIVERSITY  
WEST LAFAYETTE, INDIANA

SCHOOL OF PHARMACY AND PHARMACAL SCIENCES  
DEPARTMENT OF INDUSTRIAL AND PHYSICAL PHARMACY  
DIVISION OF NUCLEAR PHARMACY

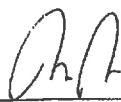
This certificate is awarded to

*Catherine Heyneman*

as evidence of completion of the

NUCLEAR PHARMACY CERTIFICATE PROGRAM

June 6, 2005



John M. Pezzuto  
Dean, School of Pharmacy  
and Pharmaceutical Sciences



Kara Duncan Weatherman  
Director,  
Nuclear Pharmacy Certificate Programs

NRC FORM 313A (10-2002)		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 3150-0120 EXPIRES: 10/31/2005	
<b>TRAINING AND EXPERIENCE AND PRECEPTOR STATEMENT</b>					
<b>PART I – TRAINING AND EXPERIENCE</b>					
<b>Note:</b> Descriptions of training and experience must contain sufficient detail to match the training and experience criteria in the applicable regulations.					
1. Name of Individual, Proposed Authorization (e.g., Radiation Safety Officer), and Applicable Training Requirements (e.g., 10 CFR 35.50)					
10 CFR 35.55		Catherine A. Heyneman, Authorized Nuclear Pharmacist			
2. For Physicians, Podiatrists, Dentists, Pharmacists – State or Territory Where Licensed					
Idaho and California		Idaho License # P4966 - California License # RP446764			
<b>3. CERTIFICATION</b>					
Specialty Board		Category		Month and Year Certified	
Purdue University School of Pharmacy		Nuclear Pharmacy Certificate Program		June 2005	
<i>Stop here when using Board Certification to meet 10 CFR Part 35 training and experience requirements.</i>					
<b>4. DIDACTIC OR CLASSROOM AND LABORATORY TRAINING (optional for Medical Physicists)</b>					
Description of Training	Location	Clock Hours	Dates of Training		
Radiation Physics and Instrumentation	Purdue University	80	5-16-05 to 5-27-05		
Radiation Protection	Purdue University	56	5-16-05 to 5-27-05		
Mathematics Pertaining to the Use and Measurement of Radioactivity	Purdue University	24	5-16-05 to 5-27-05		
Radiation Biology	Purdue University	27	5-16-05 to 5-27-05		
Chemistry of Byproduct Material for Medical Use	Purdue University	36	5-16-05 to 5-27-05		
OTHER	Please see attached documentation from Purdue University				

## APPENDIX B

NRC FORM 313A 0-2002		U.S. NUCLEAR REGULATORY COMMISSION			
TRAINING AND EXPERIENCE AND PRECEPTOR STATEMENT (continued)					
5a. WORK EXPERIENCE WITH RADIATION					
Description of Experience	Name of Supervising Individual(s)	Location and Corresponding Materials License Number	Dates and Clock Hours of Experience		
RAM receiving, shipping, preparing kits, QC all products Molly breakthrough, thyroid bioassay	Gloria Gest & Dennis Latino	Sierra Pharmacy-Reno Nevada Nevada RAM # 16-11-0373-01	6-13-05 to 9-01-05 193.5 hours		
		See attached letter for specific dates and hours			
Reviewed decontamination procedures, calculated and assayed kits Dispensed & QC doses, performed constancy & accuracy checks Eluted generators.	Tony Huffman	Biotech Pharmacy- Las Vegas Nevada RAM # 03-11-0332-01	7-05-05 to 7-14-05 92.5 hours		
		See attached letter for specific dates and hours			
Prepared radiiodine Caps, dispensed xenon, prepared and assayed kits, performed QC. Eluted generators. Prepared delivery containers for transportation, meeting D.O.T. needs	Eric McDowell & Bill Baker	PDSI - Salt Lake City Utah Utah RAM # 1800225	6-22-05 to 8-20-05 215.5 hours		
		See attached letter for specific dates and hours			
5b. SUPERVISED CLINICAL CASE EXPERIENCE					
Radionuclide	Type of Use	No. of Cases Involving Personal Participation	Name of Supervising Individual	Location and Corresponding Materials License Number	Dates and Clock Hours of Experience
Tc-99m	Myocardial, liver, bone, lung kidney, gall bladder, brain, vein	> 120	Gloria Gest PharmD	Sierra Pharmacy-Reno Nevada Nevada RAM # 16-11-0373-01	6-13-05 to 9-01-05 193.5 hours
I-125	Radiiodine capsule prep.	> 20	Gloria Gest PharmD	Sierra Pharmacy-Reno Nevada Nevada RAM # 16-11-0373-01	6-13-05 to 9-01-05 193.5 hours
Tl-201	Myocardial Perfusion	> 200	Gloria Gest PharmD	Sierra Pharmacy-Reno Nevada Nevada RAM # 16-11-0373-01	6-13-05 to 9-01-05 193.5 hours
Tc-99m	Myocardial, liver, bone, lung kidney, gall bladder, brain, vein	> 50	Tony Huffman R.Ph	Biotech Pharmacy- Las Vegas Nevada RAM # 03-11-0332-01	7-05-05 to 7-14-05 92.5 hours
I-131	Radiiodine capsule prep.	> 20	Tony Huffman R.Ph	Biotech Pharmacy- Las Vegas Nevada RAM # 03-11-0332-01	7-05-05 to 7-14-05 92.5 hours
I-123	Diagnostic Thyroid assay	> 25	Tony Huffman R.Ph	Biotech Pharmacy- Las Vegas Nevada RAM # 03-11-0332-01	7-05-05 to 7-14-05 92.5 hours
Tc-99m	Myocardial, liver, bone, lung kidney, gall bladder, brain, vein	> 250	Eric McDowell, PharmD	PDSI - Salt Lake City Utah Utah RAM # 1800225	6-22-05 to 8-20-05 215.5 hours
Xe-133	Lung ventilation	> 20	Eric McDowell, PharmD	PDSI - Salt Lake City Utah Utah RAM # 1800225	6-22-05 to 8-20-05 215.5 hours

NRC FORM 313A  
(10-2002)

U.S. NUCLEAR REGULATORY COMMISSION

## TRAINING AND EXPERIENCE AND PRECEPTOR STATEMENT (continued)

## 6. FORMAL TRAINING (applies to Medical Physicists and Therapy Physicians)

Degree, Area of Study or Residency Program	Name of Program and Location with Corresponding Materials License Numbers	Dates	Name of Organization that Approved the Program (e.g., Accreditation Council for Graduate Medical Education) and the Applicable Regulation (e.g., 10 CFR 35.490)

## 7. RADIATION SAFETY OFFICER – ONE-YEAR FULL-TIME TRAINING

- ☐ YES Completed 1-year of full-time radiation safety experience (in areas identified in item 5a) under supervision  
☐ N/A of \_\_\_\_\_ the RSO for License No. \_\_\_\_\_

## 8. MEDICAL PHYSICIST – ONE YEAR FULL-TIME TRAINING/WORK EXPERIENCE

- ☐ YES Completed 1-year of full-time training in therapeutic radiological physics under the supervision of  
☐ N/A \_\_\_\_\_ who meets requirements for Authorized Medical Physicists; and
- ☐ YES Completed 1-year of full-time work experience (for areas identified in item 5a) for \_\_\_\_\_  
☐ N/A modality(ies) under the supervision of \_\_\_\_\_ who meets  
 requirements for Authorized Medical Physicists for \_\_\_\_\_ modality(ies).

## 9. SUPERVISING INDIVIDUAL – IDENTIFICATION AND QUALIFICATIONS

The training and experience indicated above was obtained under the supervision of (if more than one supervising individual is needed to meet requirements in 10 CFR 35, provide the following information for each):

A. Name of Supervisor

\_\_\_\_\_

B. Supervisor is:

- ☐ Authorized User  
☐ Radiation Safety Officer

- ☐ Authorized Medical Physicists  
☐ Authorized Nuclear Pharmacists

C. Supervisor meets requirements of Part 35, Section(s) \_\_\_\_\_  
 for medical uses in Part 35, Section(s) \_\_\_\_\_

D. Address

E. Materials License Number

\_\_\_\_\_

## APPENDIX B

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NRC FORM 312A  
(10-2002)

U.S. NUCLEAR REGULATORY COMMISSION

## TRAINING AND EXPERIENCE AND PRECEPTOR STATEMENT (continued)

## PART II - PRECEPTOR STATEMENT

**Note:** This part must be completed by the individual's preceptor. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each. This part is not required to meet the training requirements in 10 CFR 35.590.

Item 10 must be completed for Nuclear Pharmacists meeting the requirements of 10 CFR Part 35, Subpart J. Preceptors do not have to complete Items 11a, 11b, or the certifying statements for other individuals meeting the requirements of 10 CFR Part 35, Subpart J.

☒ YES 10. The individual named in Item 1 has satisfactorily completed the training requirements in 10 CFR 35.860 and is competent to independently operate a nuclear pharmacy.

☐ NA

☐ YES 11a. The individual named in Item 1 has satisfactorily completed the requirements in Part 35, Section(s) and Paragraph(s) \_\_\_\_\_.

☐ NA

☐ YES 11b. The individual named in Item 1, is competent to independently function as an authorized \_\_\_\_\_ for \_\_\_\_\_ usage.

☐ NA

## 12. PRECEPTOR APPROVAL AND CERTIFICATION

☒ I certify the approval of Item 10 and certify I am an Authorized Nuclear Pharmacist;

OR

☐ I certify the approval of Items 11a and 11b and certify I am an Authorized Nuclear Pharmacist;

OR

☐ I certify the approval of Items 11a and 11b, and I certify that I meet the requirements of \_\_\_\_\_ or equivalent Agreement State requirements to be a preceptor authorized \_\_\_\_\_ for the following uses of byproduct material: \_\_\_\_\_

A. Address **Sierra Radiopharmacy**  
**601 Mill St**  
**Reno, NV 89502**

B. Materials License Number

**110-11-0373-01**

C. NAME OF PRECEPTOR (print clearly)

**Dennis Latino**

D. SIGNATURE - PRECEPTOR

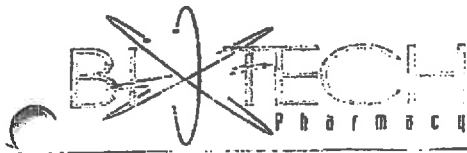


E. DATE

**9/14/05**

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3940 S. Eastern • Las Vegas, Nevada 89119 • (702) 791-3608 • (702) 791-5290 fax • [www.biotechpharmacy.com](http://www.biotechpharmacy.com)

July 14, 2005

This document certifies that Catherine Heyneman, PharmD, completed the following hours at BioTech Pharmacy located at 3940 S. Eastern, Las Vegas, NV 89119:

7/5/05	9am – 5pm	8 hrs
7/6/05	5am – 5pm	12 hrs
7/7/05	4:30am – 5pm	12.5 hrs
7/8/05	5am – 5pm	12 hrs
7/11/05	5am – 5pm	12 hrs
7/12/05	5am – 5pm	12 hrs
7/13/05	5am – 5pm	12 hrs
7/14/05	5am – 5pm	<u>12 hrs</u>

Total hours from 7/5 – 7/14/05 = 92.5 hrs

  
\_\_\_\_\_  
Tony Huffman, PharmD  
Nuclear Pharmacist

# SIERRA RADIOPHARMACY

September 1, 2005

Dear Sir or Madam:

I certify that Catherine Heyneman successfully completed the following hours as an intern at Sierra Radiopharmacy:

<u>Date</u>	<u>Time In</u>	<u>Time Out</u>	<u>Hours</u>
6/13/05	0300	1730	14.5
6/14/05	0300	1700	14
6/15/05	0300	1700	14
6/16/05	0300	1700	14
6/17/05	0300	1700	14
7/18/05	0300	1700	14
7/19/05	0300	1700	14
7/20/05	0300	1700	14
7/21/05	0300	1700	14
7/22/05	0300	1700	14
08/29/05	0300	1700	14
08/30/05	0300	1700	14
08/31/05	0300	1700	14
09/01/05	0300	1400	<u>11</u>

**Total** **193.5 hours**

Sincerely,



Dennis Latino, RPh  
Authorized Nuclear Pharmacist



**PDSI PHARMACEUTICAL &  
DIAGNOSTIC SERVICES, INC.**  
1152 West 2240 South, Suite E  
West Valley City, UT 84119  
(801) 485-3344 Fax (801) 485-1982  
**CardinalHealth NPS**

August 20, 2005

This letter certifies that Catherine Heyneman, PharmD, has completed 215.5 hours of training at Pharmaceutical and Diagnostic Services, Inc. under the supervision of Dr. Eric McDowell, an authorized nuclear pharmacist.

<u>Date</u>	<u>Hours Worked</u>
6/22 – 6/24/05	27
6/29 – 7/1/05	45
8/1 – 8/2/05	30.5
8/4 – 8/5/05	30
8/8 – 8/9/05	30
8/11/05	15
8/16 – 8/17/05	31
8/20/05	7
<b>Total</b>	<b>215.5</b>

*Eric McDowell Pharm D.*

Eric McDowell, PharmD  
Authorized Nuclear Pharmacist  
Pharmaceutical and Diagnostic Services, Inc.

# **NUCLEAR PHARMACY CERTIFICATE PROGRAM**

## ***Synopsis of Clock Hours of Training***

**School of Pharmacy and Pharmacal Sciences  
Department of Industrial and Physical Pharmacy  
Division of Nuclear Pharmacy  
Purdue University  
West Lafayette, Indiana 47907**

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# **Nuclear Pharmacy Certificate Program Outline**

## **Contents:**

1. Program Concept
2. Synopsis of Clock Hours of Training
3. Videocassette and Workbook (Self-Study Portion) Clock Hours
4. Campus Portion Laboratory and Lecture Clock Hours
5. Instructional Staff

## **Abbreviations Used:**

RPI:	Radiation Physics Instrumentation
RP:	Radiation Physics
MA:	Math
RB:	Radiation Biology
RC:	Radiochemistry

**TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES\***

**Name: CATHERINE HEYNEMAN**

Breakdown of Course Content in Clock Hours												
Location of Training	Date(s) of Attendance	Nuclear Pharmacy Certificate Program	Total Clock Hours of Course	Radiation Physics & Instrumentation		Radiation Protection		Math Pertaining to Radio-activity		Radiation Biology		Radio-pharmaceutical Chemistry
				A	B	A	B	A	B	A	B	
Purdue University		Video-Workbook	150	54		37		11		23		25
		On-Site	73	26		19		13		4		11
Column "A" refers to a Lecture/Laboratory Course			223	80		56		24		27		36
Column "B" refers to a Supervised Laboratory Experience			TOTAL HOURS	80		56		24		27		36

- \* This form is representative of that which is used to apply for an NRC license amendment for an authorized user.

*Kyra D. Weather*

\_\_\_\_\_  
Director, Nuclear Pharmacy Certificate Program

## Nuclear Pharmacy Certificate Program

### Videocassette and Workbook (Self-Study Portion) Clock Hours

<u>Instructor</u>	<u>Material</u>	<u>Clock</u> <u>Hours</u>
<b>Dr. Stan Shaw</b>	<b><u>Physics and Overview</u></b>	RPI 30
	Radiation Energy	RP 2
	Atomic Structure	MA 4
	Nuclides	RC 12
	Radioactive Decay and Half-Life	
	Ideal Radionuclide for Imaging	
	Modes of Radioactive Decay	
	Interaction of Ionizing Radiation with Matter	
	Radiation Detection Methods	
	Radiopharmaceuticals: Characteristics and Chemistry	
	Central Nervous System	
	Pulmonary System	
	Liver and Hepatobiliary System	
	Spleen	
	Cardiac Imaging	
	Skeletal System	
	Renal System	
	Endocrine System	
	Miscellaneous Procedures and Radiopharmaceuticals	
	In Vivo Radiopharmaceuticals Not Requiring Imaging	
	Radiopharmaceuticals Used in Therapy	

**Dr. Robert Landolt**

**Radiation Protection**

RPI 2

Terms and Units

RP 14

Protection from External Exposure

Portable Survey Instruments

Personnel Monitoring

Internal Dose Calculations

Contamination Control

Waste Management

Packaging, Labels and Placards

10 CFR Standards for Protection Against Radiation

10 CFR Notices, Instructions, and Reports to Workers

**Mr. Jim Ponto**

**Drugs & Radiopharmaceuticals**

RPI 4

Drugs & Radiopharmaceuticals, Parts 1 and 2:

RP 4

*Interactions and their effect on diagnostic accuracy of*

MA 4

*Nuclear Medicine Procedures*

RC 8

Drugs & Radiopharmaceuticals, Part 3:

*Interventions used to improve differential diagnosis in*

Instrument Quality Assurance

Technetium Chemistry; Radiolytic Decomposition

Pediatric Dosage Calculations

Adverse Reactions to Radiopharmaceuticals

Record Keeping

Preparation and Dispensing of Radiopharmaceuticals

Formulation Problems



<b>Anne Smith</b>	Radionuclide Generator: Mo-99/Tc-99m Generator	RPI	3
	Quality Control Testing of Radiopharmaceuticals	RP	2
		MA	1
<b>Dr. Richard Kowalsky</b>	Radiopharmaceuticals for Brain Imaging	RPI	5
	Radiopharmaceuticals for Heart Imaging Update	RP	5
	Radiopharmaceuticals for Kidney Imaging Update	RC	5
	Radiopharmaceuticals for Treatment of Bone Pain	RB	1
	Monoclonal Antibodies for Radioimmunodiagnosis		
	Somostatin Receptor Imaging		
<b>Dr. Wayne Kessler</b>	<u>Instrumentation</u>	RPI	8
	Spectrometry	MA	2
	Counting Efficiency		
	Coincidence Loss		
	Background		
	Liquid Scintillation Counting		
	Statistics of Radioactivity		
<b>Dr. Paul Simms</b>	Radionuclide Production, Part 1	RPI	4
	Radionuclide Production, Part 2		
<b>Dr. Stan Shaw</b>	<u>Radiation Biology and Protection</u>	RB	20
	Energy Transfer	RP	8
	Mechanisms of Change		
	Aqueous Radiation Chemistry		
	Target Theory and Dose-Response		
	Radiation Effects on Macromolecules		
	Radiation Effects on Cells		
	Acute Effects		
	Delayed Effects		
	Genetic Effects		
<b>Dr. William Widmer</b>	Late Effects of Ionizing Radiation	RB	2

# Nuclear Pharmacy Certificate Program

## On-Site Laboratory Schedule

<u>Instructor</u>	<u>Laboratory</u>	<u>Clock Hours</u>	
<b>Dr. Stan Shaw</b>	Contamination and Decontamination	RP	3
	Basic Radiation Safety	RPI	3
	G.M. Counting	RP	1
<b>Dr. Kara Duncan</b>		RPI	3
	Gamma Ray Scintillation Spectrometry I	RPI	4
	Gamma Ray Scintillation Spectrometry II	RPI	3
	Multichannel Analyzer	RPI	3
	Dose Calibrator	RPI	3
	Shipping and Receiving	MA 1	RP 2
	Elution of the Tc-99m Generator and	RPI 2	MA 2
	Quality Control of the Eluate		
	Radiochemical Purity Testing	RPI 2	RC 1
	Preparation and Dispensing of Selected Radiopharmaceuticals	RPI 2	MA 2
	Aseptic Technique and Sterility Testing	RC	3
	Gamma Camera Instrumentation	RPI	3
	Review of Math Used in Nuclear Pharmacy	MA	3
	Counting Statistics in Nuclear Pharmacy Practice	MA	3
	Iodine Compounding and Instrumentation	MA	2
		RB	2

# **Nuclear Pharmacy Certificate Program**

## **On-Site Lecture Schedule**

<b><u>Instructor</u></b>	<b><u>Topic</u></b>	<b><u>Clock Hours</u></b>	
<b>Dr. Mark Green</b>	Chemistry of Metal-Labeled Radiopharmaceuticals	RC	5
	PET Radiopharmaceutical Chemistry	RPI	1
	PET Imaging and Concept		
	Radionuclide Generator for PET		
<b>Dr. Stan Shaw</b>	Regulatory Agencies	RP	4
	10 CFR Parts 19 and 20		
<b>Mack Richard</b>	10 CFR Part 35 Medical Regulations	RP	2
	Performance Criteria for Radiobioassay	RB	2
<b>Dr. Kara Duncan</b>	Formed Element Labeling and Aids Safety Procedures	RC	2
<b>Dr. Gordon Born</b>	DOT Hazardous Materials Handling	RP	2
<b>Dr. Jim Schweitzer</b>	Film Badge Dosimetry	RP	2

## **Nuclear Pharmacy Certificate Program**

### **Instructional Staff**

#### Videocassette - Workbook

**Dr. Stanley M. Shaw, Ph.D.**  
Professor of Nuclear Pharmacy  
Purdue University  
West Lafayette, Indiana 47907

**Dr. Robert Landolt, Ph.D.**  
Professor of Health Physics  
Purdue University  
West Lafayette, Indiana 47907

**Dr. Wayne V. Kessler, Ph.D.**  
Professor of Bionucleonics  
Purdue University  
West Lafayette, Indiana 47907

**Dr. Paul C. Simms, Ph.D.**  
Professor of Physics  
Purdue University  
West Lafayette, Indiana 47907

**Dr. Richard J. Kowalsky, PharmD, BCNP, FAPhA**  
Associate Professor Pharmacy and Radiology  
University of North Carolina  
Chapel Hill, North Carolina 27599

**Mr. James A. Ponto, M.S., B.C.N.P.**  
Division of Nuclear Medicine  
University of Iowa Hospitals and Clinics  
Iowa City, Iowa 52242

**Ms. C. Anne Smith, M.S., B.C.N.P.**  
Nuclear Pharmacy Program Director  
Purdue University  
West Lafayette, IN 47907

**Dr. William R. Widmer, D.V.M.**  
Associate Professor of Diagnostic Imaging  
Department of Veterinary Clinical Sciences  
School of Veterinary Medicine  
Purdue University  
West Lafayette, Indiana 47907

#### On-Site

**Dr. Mark A. Green, Ph.D.**  
Professor of Nuclear Pharmacy  
Purdue University  
West Lafayette, Indiana 47907

**Dr. Jim Schweitzer, Ph.D.**  
Radiation Safety Officer  
Purdue University  
West Lafayette, Indiana 47907

**Mr. Mack Richard, M.S.**  
Radiation Safety Officer  
Indiana University Medical Center  
Indianapolis, Indiana 46202

**Dr. Stanley M. Shaw, Ph.D.**  
Professor of Nuclear Pharmacy  
Purdue University  
West Lafayette, Indiana 47907

**Dr. Gordon Born, Ph.D.**  
Professor of Medicinal Chemistry and Health  
Sciences  
Purdue University  
West Lafayette, Indiana 47907

**Dr. Kara Duncan, PharmD, BCNP**  
Adjunct Assistant Professor  
Purdue University  
West Lafayette, Indiana 47907

## Murnahan, Colleen

---

**From:** Hill, Carol  
**Sent:** Monday, December 23, 2013 2:57 PM  
**To:** Murnahan, Colleen  
**Subject:** FW: License Amendment Request  
**Attachments:** RSO\_Request\_2013.pdf

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**From:** Roldan, Lizette  
**Sent:** Monday, December 23, 2013 1:50 PM  
**To:** Hill, Carol  
**Subject:** FW: License Amendment Request

Please set this up!

**From:** Cashmore, Cathy [<mailto:cathy@pharmacy.isu.edu>]  
**Sent:** Monday, December 23, 2013 1:14 PM  
**To:** Roldan, Lizette  
**Cc:** Hill, Carol  
**Subject:** License Amendment Request

Dear Dr. Roldan-Otero,

Please find attached a request to amend our license #11-29216-01MD to identify myself as RSO for Advanced Isotopes of Idaho.

Our current RSO will be leaving at the end of the year, so please consider an expedited approval if possible so that we can remain in compliance. I understand the timing of this is not optimal given the holiday season, but appreciate anything you can do.

I sincerely appreciate your assistance.

Best wishes,

Catherine Heyneman

--  
Catherine Heyneman, PharmD, ANP, FASCP  
Associate Dean  
ISU College of Pharmacy

BETWEEN:

Accounts Receivable/Payable  
and  
Regional Licensing Branches

[ FOR ARPB USE ]  
INFORMATION FROM WBL

Program Code: 02500  
Status Code: Pending Amendment  
Fee Category: 2B 3C 3P  
Exp. Date: 12/31/2015  
Fee Comments:  
Decom Fin Assur Req: N

## License Fee Worksheet - License Fee Transmittal

### A. REGION

#### 1. APPLICATION ATTACHED

Applicant/Licensee: ADVANCED ISOTOPES OF IDAHO  
Received Date: 12/23/2013  
Docket Number: 3037048  
Mail Control Number: 582753  
License Number: 11-29216-01MD  
Action Type: Amendment

#### 2. FEE ATTACHED

Amount: \_\_\_\_\_

Check No.: \_\_\_\_\_

#### 3. COMMENTS

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

### B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / / )

1. Fee Category and Amount: \_\_\_\_\_

#### 2. Correct Fee Paid. Application may be processed for:

Amendment: \_\_\_\_\_

Renewal: \_\_\_\_\_

License: \_\_\_\_\_

3. OTHER \_\_\_\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_



DATE

12/27/2013

NAME AND ADDRESS OF APPLICANT AND/OR LICENSEE

Advanced Isotopes of Idaho  
ATTN: Catherine Heyneman, PharmD, ANP  
4968 Rainbow Way  
Chubbuck, ID 83202

LICENSE NUMBER

11-29216-01MD

MAIL CONTROL NUMBER

582753

LICENSING AND/OR TECHNICAL REVIEWER

cmurnahan *CM*

This is to acknowledge the receipt of your:

☒ LETTER and/or ☒ APPLICATION DATED: 12/23/2013

The initial processing, which included an administrative review, has been performed.

☒ AMENDMENT ☐ TERMINATION ☐ NEW LICENSE ☐ RENEWAL

- ☒ There were no administrative omissions identified during our initial review.
- ☐ This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.
- ☐ Your application for a new NRC license did not include your taxpayer identification number. Please fill out NRC Form 531, located at the following link:

<http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf>

Send the completed NRC Form 531, by facsimile, to the following number: (301) 415-5387

A copy of your action has been emailed to our License Fee and Accounts Receivable Branch, in our Headquarters office in Rockville, MD. You will be contacted separately if there is a fee issue involved.

Your application has been assigned the above listed **MAIL CONTROL NUMBER**. When calling to inquire about this action, please refer to this control number. Your application has been forwarded to a technical reviewer. Please note that the technical review, which is normally completed within 180 days for a renewal application (90 days for all other requests), may identify additional omissions or require additional information. If you have any questions concerning the processing of your application, our contact information is listed below:

Region IV  
U. S. Nuclear Regulatory Commission  
DNMS/NMSB - B  
1600 E. Lamar Blvd.  
Arlington, TX 76011-4511  
(817) 200-1103 or (817) 200-1140

*emailed to  
licensee 12-27-13*