



# central peninsula hospital

250 Hospital Place, Soldotna, AK 99669 • (907) 714-4404 • www.cpgn.org

## CONFIDENTIAL FAX TRANSMITTAL

To:	Rachel Browder	From:	Margaret Stroup
Fax:	817.860.8263	Pages:	18
Phone:	817.276.6552	Date:	12/27/2007
Re:	Expedited License Amendment	CC:	[Click here and type name]

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December 20, 2007

RE: License Number 50-29075-01

Expedite Amendment

United States Nuclear Regulatory Commission

Region IV

Nuclear Materials Safety Branch

611 Ryan Plaza Drive, Suite 400

To Whom It May Concern:

Central Peninsula Hospital would like to amend of materials license to reflect Margaret Stroup as RSO for our facility. I have enclosed the requested materials.

Thank you,

Margaret Stroup, BS

Imaging Director

Central Peninsula Hospital

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250 Hospital Place, Soldotna, AK 99669 • (907) 714-4404 • www.cpgh.org



November 1, 2007

Memo To: Radiation Safety Officer  
From: Ryan K. Smith, Chief Executive Officer  
Subject: Delegation of Authority

You have been appointed Radiation Safety Officer and are responsible for ensuring the safe use of radiation. You are responsible for managing the radiation protection program; identifying radiation protection problems; initiating, recommending, or providing corrective actions; verifying implementation of corrective actions; stopping unsafe activities; and ensuring compliance with regulations. You are hereby delegated the authority necessary to meet those responsibilities, including prohibiting the use of byproduct material by employees who do not meet the necessary requirements and shutting down operations where justified by radiation safety. You are required to notify management of situations where staff are not cooperating and not addressing radiation safety issues. In addition, you are free to raise issues with the Nuclear Regulatory Commission at anytime. It is estimated that you will spend 5 hours per week conducting radiation protection activities.

Ryan K. Smith,  
CEO

I accept the above responsibilities,

  
Signature of Radiation Safety Officer

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FROM : NRV CANCER CENTER

From: 5409948568

Page: 1/7

Date: 12/20/2007 8:34:28 AM

FAX NO. : 5409948568

Dec. 20 2007 01:29PM P1

**Pulaski  
Community Hospital**

HCA Virginia

NEW RIVER VALLEY  
CANCER CARE CENTER**Radiation Safety Office**2400 Lee Highway  
Post Office Box 759  
Pulaski, Virginia 24301  
(540) 994-8545 (main)  
(540) 994-8568 (fax)James P. Nunn, MS  
Radiation Safety Officer  
(540) 239-0224 cell  
(540) 994-8280 Office  
James.Nunn@HCAhealthcare.com

20 December 2007

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Jacqueline D. Cook  
Health Physicist  
USNRC Region-IV  
Division of Nuclear Materials Safety  
Texas Health Resources Tower  
611 Ryan Plaza, Suite 400  
Arlington, TX 76011-4005

Dear Ms. Cook,

It is with great confidence that I submit the attached USNRC form 313A(RSO) for Margaret Stroup to be named Radiation Safety Officer for Central Peninsula Hospital (USNRC License #50-29075-01 Docket 030-33614). I have personally worked with Ms. Stroup since May of 1999 where she was the director of Imaging Services at Johnston Memorial Hospital, Abingdon, Virginia. I served Ms. Stroup as Consultant Radiation Physicist until her departure in mid 2007.

During my tenure as radiation physicist at Johnston Memorial Hospital, I inspected all aspects of the radiation safety program. I found that Ms. Stroup displayed a high level of proficiency in managing the radiation safety program, and also required the same level proficiency from her subordinate technologists and consultants. I see no reason why Ms. Stroup should not be appointed Radiation Safety Officer of this program.

In your review of this document if you have any questions, comments, or concerns regarding the content of the attached form, please do not hesitate to contact me by telephone or e-mail.

Respectfully Submitted,

James P. Nunn, MS  
Radiation Safety Officer

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From: 5409948568 Page: 2/7 Date: 12/20/2007 8:34:28 AM

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Dec. 20 2007 01:29PM P2

<b>NRC FORM 313A (R90)</b> (2-2007)	<b>U.S. NUCLEAR REGULATORY COMMISSION</b>		
<b>RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION</b> <b>[10 CFR 35.50]</b>			
<b>APPROVED BY OMB: NO. 3150-0120</b> <b>EXPIRES: 10/31/2008</b>			
Name of Proposed Radiation Safety Officer <b>Margaret Stroup</b>			
Requested Authorization(s) <i>The license authorizes the following medical uses (check all that apply):</i> <input checked="" type="checkbox"/> 35.100 <input checked="" type="checkbox"/> 35.200 <input type="checkbox"/> 35.300 <input type="checkbox"/> 35.400 <input checked="" 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 (    )			
<b>PART I - TRAINING AND EXPERIENCE</b> <i>(Select one of the four methods below)</i>			
*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.			
<input type="checkbox"/> <b>1. Board Certification</b> 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.			
<b>OR</b>			
<input type="checkbox"/> <b>2. Current Radiation Safety Officer Seeking Authorization to Be Recognized as a Radiation Safety Officer for the Additional Medical Uses Checked Above</b> 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.			
<b>OR</b>			
<input checked="" type="checkbox"/> <b>3. Structured Educational Program for Proposed Radiation Safety Officer</b> a. Classroom and Laboratory Training			
Description of Training	Location of Training	Clock Hours	Dates of Training*
Radiation physics and instrumentation	Engelhardt and Associates (Madison, WI)	6.5	10/22-26/2007
	Physics Associates (Roanoke, Va)	15	Feb 2001
	Engelhardt and Associates (Madison WI)	5.5	October 1995
	Southwest Virginia Community College (Richlands, Va)	42	1981-1982
Radiation protection	Engelhardt and Associates (Madison, WI)	3	10/22-26/2007
	Physics Associates (Roanoke, Va)	7.5	Feb 2001
	Engelhardt and Associates (Madison WI)	3	October 1995
	Southwest Virginia Comm. College (Richlands, Va.)	42	1981-1982
Mathematics pertaining to the use and measurement of radioactivity	Engelhardt and Associates (Madison, WI)	2	10/22-26/2007
	Physics Associates (Roanoke, Va)	15	Feb 2001
	Engelhardt and Associates (Madison WI)	2	October 1995
	Southwest Virginia Comm. College	84	1981-1982
Radiation Biology	Engelhardt and Associates (Madison, WI)	1	10/22-26/2007
	Southwest Virginia Comm. College (Richlands, Va)	42	1982
	Engelhardt and Associates (Madison WI)	1	October 1995
Radiation Dosimetry	Engelhardt and Associates (Madison, WI)	1.5	10/22-26/2007
	Physics Associates (Roanoke, Va)	7.5	Feb 2001
	Engelhardt and Associates (Madison WI)	1.5	October 1995
<b>Total Hours of Training: 281 hours</b>			

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From 5409948568

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NRC FORM 313A (R50)  
(10-2006)

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	Johnston Memorial Hospital, Abingdon, Virginia License #45-25240-01	2003-2007
Using and performing checks for proper operation of instruments used to determine the activity of dosages, survey meters, and instruments used to measure radionuclides	Johnston Memorial Hospital, Abingdon, Virginia License #45-25240-01	2003-2007
Securing and controlling byproduct material	Johnston Memorial Hospital, Abingdon, Virginia License #45-25240-01	2003-2007
Using administrative controls to avoid mistakes in administration of byproduct material	Johnston Memorial Hospital, Abingdon, Virginia License #45-25240-01	2003-2007
Using procedures to prevent or minimize radioactive contamination and using proper decontamination procedures	Johnston Memorial Hospital, Abingdon, Virginia License #45-25240-01	2003-2007
Using emergency procedures to control byproduct material	Johnston Memorial Hospital, Abingdon, Virginia License #45-25240-01	2003-2007
Disposing of byproduct material	Johnston Memorial Hospital, Abingdon, Virginia License #45-25240-01	2003-2007
Licensed Material Used (e.g., 35.100, 35.200, etc.)+ 35.100, 200, 300, 400, 500 and 10 CFR 36 (MDS Nordion Cs-137 irradiator ~50 Ci) at JMH	Johnston Memorial Hospital, Abingdon, Virginia License #45-25240-01	2003-2007

\* Choose all applicable sections of 10 CFR Part 36 to describe radionuclides and quantities used: 35.100, 35.200, 35.300, 35.400, 35.600, 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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NRC FORM 313A (R50)  
(2-2007)

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)***(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)*

Supervising Individual

James P. Nunn, MS

License/Permit Number listing supervising individual as a  
Radiation Safety Officer

45-21206-01

This license authorizes the following medical uses:

☒ 35.100☒ 35.200☒ 35.300☒ 35.400☐ 35.500☒ 35.600 (remote afterloader)☐ 35.800 (teletherapy)☐ 35.600 (gamma stereotactic radiosurgery)☐ 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	Physics Associates (45-17344-U1) Engelhardt and Associates	2003-2007 10/22-28/07
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses	Physics Associates	2003-2007
Radiation safety, regulatory issues, and emergency procedures for 35.400 uses	Physics Associates	2003-2007
Radiation safety, regulatory issues, and emergency procedures for 35.800 - teletherapy uses	N/A	
Radiation safety, regulatory issues, and emergency procedures for 35.600 - remote afterloader uses	N/A	
Radiation safety, regulatory issues, and emergency procedures for 35.600 - gamma stereotactic radiosurgery uses	N/A	
Radiation safety, regulatory issues, and emergency procedures for 35.1000, specify use(s):	N/A	

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From: 5409940568 Page: 5/7 Date: 12/20/2007 8:34:27 AM  
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NRC FORM 313A (R50)  
(2-2007)

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)**

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

45-21206-01

James P. Nunn, MS

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 Margaret Stroup 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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Dec. 20 2007 01:31PM P6

NRC FORM 313A (R&O)  
(2-88)(1/07)

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 \_\_\_\_\_ 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 **Margaret Stroup** has training in the radiation safety, regulatory issues, and

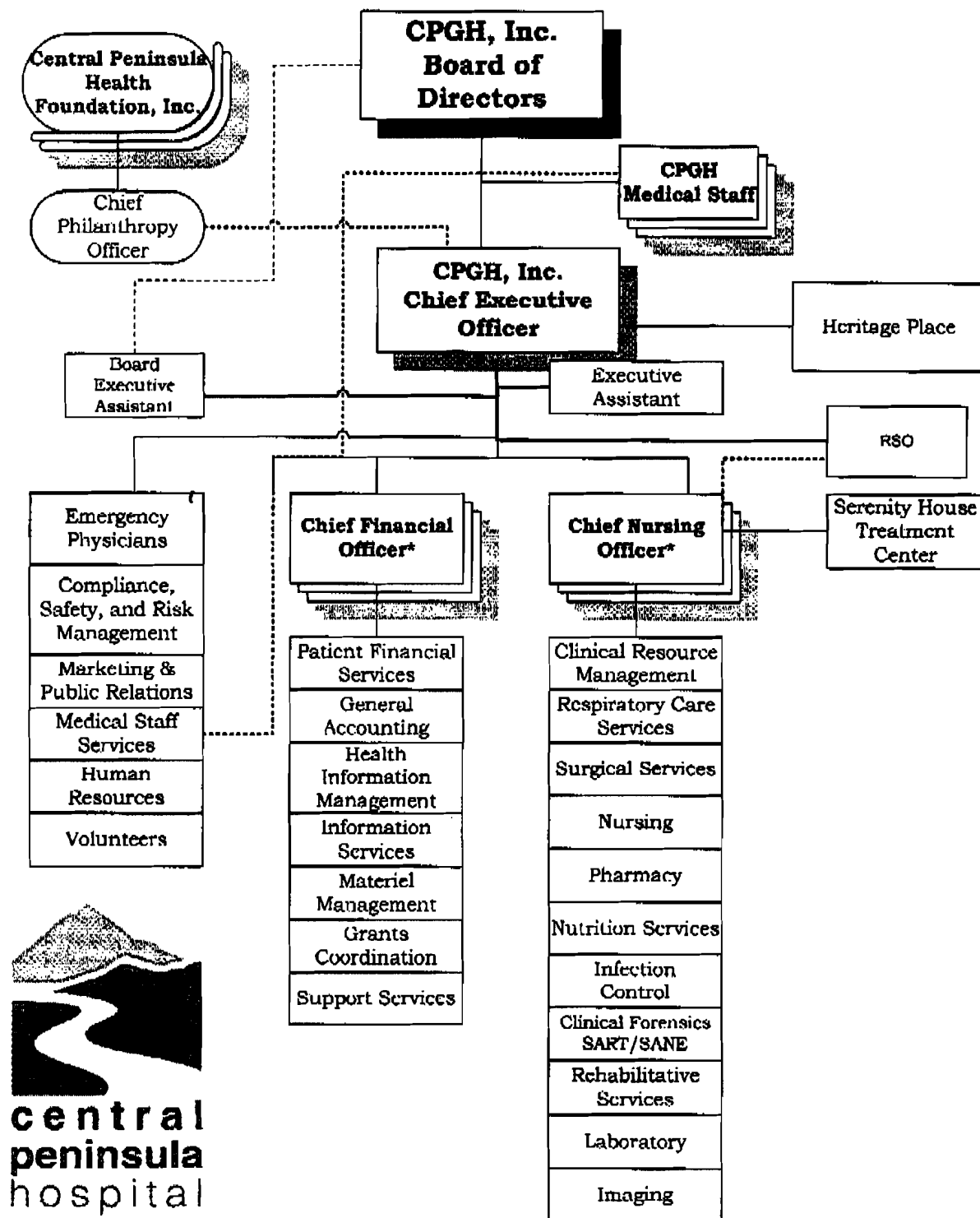
Name of Proposed Radiation Safety Officer

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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From: 5409948568 Page: 7/7 Date: 12/20/2007 8:34:28 AM  
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NRC FORM 313A (R80) (2-2007)		U.S. NUCLEAR REGULATORY COMMISSION	
RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)			
<b>AND</b>			
<b>Third Section</b> <b>Complete for ALL</b>			
<input checked="" type="checkbox"/> I attest that <b>Margaret Stroup</b> 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.			
-----			
<b>Fourth Section</b> <b>Complete the following for Preceptor Attestation and signature</b>			
I am the Radiation Safety Officer for <b>Pulaski Community Hospital,</b> <small>Name of Facility</small>			
License/Permit Number: <b>46-21208-01 Docket #030-19931</b>			
Name of Preceptor <b>James P. Nunn, MS</b>		Signature 	Telephone Number <b>(540) 239-0224</b>
		Date <b>12/20/2007</b>	



## Organizational Chart

Updated 12-27-2007

\* Acts as Administrator in CEO's absence

**MEDICAL PHYSICS  
SHIELDING RECOMMENDATIONS**

**RADIATION PHYSICS  
EMERGENCY CONSULTATION**



## **PHYSICS ASSOCIATES, LLC**

Lee S. Anthony, Ph.D.  
Certified Health Physicist  
Certified Medical Physicist  
Certified Radiologic Physicist

**5346 Peters Creek Road  
Roanoke, Virginia 24019  
Tel: (540) 563-0165  
Fax: (540) 563-0082**

James P. Nunn, M.S.  
Dan L. White, A.A.S.  
Nicholas Graham, M.S.  
Robert C. Hudson, M.S.  
Lee S. Anthony, Jr., B.S./M.A.

November 10, 2007

To Whom It May Concern:

I have known and worked with Margaret Stroup for approximately twenty years. As a Medical Physics consultant, I have consulted with Johnston Memorial Hospital in Abingdon, Virginia, where Ms. Stroup has been involved with Nuclear Medicine and Radiation Safety as a technologist and department manager.

In addition to daily interaction with the above, Ms. Stroup has served as a member of the Radiation Safety Committee.

Ms. Stroup has successfully taken a 40 hour course on Radiation Safety/Nuclear Medicine operations, offered by our firm.

I note that Central Peninsula Hospital is licensed for materials described in 10 CFR 35.100 & 35.200. In my opinion, Ms. Stroup is prepared by training and experience to oversee the Radiation Safety aspects of such a program.

Sincerely,

Lee S. Anthony, Ph.D.  
C.H.P.; C.M.P.; C.R.P.

# *Certificate of Completion*

*awarded to*

***Margaret Stroup***

*for participation in*

**Radiation Safety Officer Course – Madison, WI**

**October 22-26, 2007**



**ENGELHARDT & ASSOCIATES, INC.**

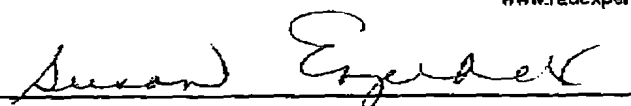
**RADIATION CONSULTANTS**

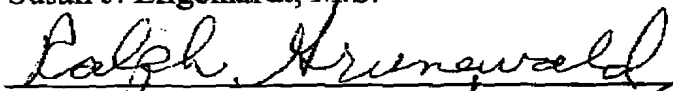
6400 Gisholt Dr., Suite 111 Madison, WI 53713

Phone: 800.525.3078 Fax: 608.224.0821

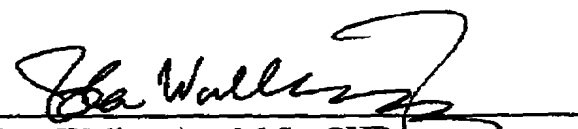
E-mail: engel@chorus.net

www.radexperts.com

  
Susan J. Engelhardt, M.S.

  
Ralph Grunewald, Ph.D.

  
Michael Smith, Health Physics Associate

  
Joshua Walkowicz, M.S., CHP

  
Judith Grunewald, R.N., M.S.

P.14/18

To:8178608263

19077144995

DEC-27-2007 11:32 From:

# Emergency Management Institute



## FEMA

This Certificate of Achievement is to acknowledge that

**MARGARET STROUP**


has reaffirmed a dedication to serve in times of crisis through continued professional development and completion of this course:

**IS-00100**

**Introduction to the Incident Command System,  
(ICS 100)**

*Issued this 23rd Day of July, 2007*

0.3 CEU

  
**Cortez Lawrence, PhD**  
*Superintendent*  
Emergency Management Institute

FEMA Form 10-38, October 05

DETACH THIS STUB

# Emergency Management Institute



## FEMA

This Certificate of Achievement is to acknowledge that

**MARGARET STROUP**

has reaffirmed a dedication to serve in times of crisis through continued professional development and completion of this course:

**IS-00700**

**National Incident Management System  
(NIMS) an Introduction**

*Issued this 23rd Day of July, 2007*

**Cortez Lawrence, PhD**  
*Superintendent*  
Emergency Management Institute

0.3 CEU

FEMA Form 10-37, October 05

DETACH THIS STUB

THIS IS TO CERTIFY THAT

MARGARET STROUP

HAS SUCCESSFULLY COMPLETED THE

"RADIATION SAFETY OFFICER"/MEDICAL  
COURSE TAUGHT BY PHYSICS ASSOCIATES

AT MARION, VIRGINIA

FROM FEBRUARY 19 TO FEBRUARY 24 2001

THIS COURSE WAS BASED ON THE DRAFT REGULATORY GUIDE "QUALIFICATIONS FOR  
THE RADIATION SAFETY OFFICER IN A LARGE-SCALE NON-FUEL-CYCLE RADIONUCLIDE PROGRAM"  
BY THE U.S. NUCLEAR REGULATORY COMMISSION.

*Lee S. Anthony*  
Lee S. Anthony, Ph.D., Instructor  
Certified Health Physicist  
Certified Radiologic Physicist  
Certified Medical Physicist

ASRT # VAD0021001

229-72-3891

ARDMS 016642  
ARRT 184/4/6

# Certificate of Completion

awarded to

*Margaret Stroup*

for participation in the

## *Radiation Safety Officer Course*

Given by Engelhardt & Associates, Inc.

October 28 - November 1, 1996

Madison, WI

*Susan J. Engelhardt*

Susan J. Engelhardt, M.S.

*Dee Kaiser*

Dee Ann Kaiser, M.S.

*Ralph Grunewald*

Ralph Grunewald, Ph.D.

*Judith Grunewald*

Judith Grunewald, R.N., M.S.

[illegible]

MARGARET STROUP



December 20, 2007

RE: License Number 50-29075-01

Expedite Amendment

United States Nuclear Regulatory Commission

Region IV

Nuclear Materials Safety Branch

611 Ryan Plaza Drive, Suite 400

To Whom It May Concern:

Central Peninsula Hospital would like to amend of materials license to reflect Margaret Stroup as RSO for our facility. I have enclosed the requested materials.

Thank you,

Margaret Stroup, BS

Imaging Director

Central Peninsula Hospital

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Alliance.

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November 1, 2007

Memo To: Radiation Safety Officer  
From: Ryan K. Smith, Chief Executive Officer  
Subject: Delegation of Authority

You have been appointed Radiation Safety Officer and are responsible for ensuring the safe use of radiation. You are responsible for managing the radiation protection program; identifying radiation protection problems; initiating, recommending, or providing corrective actions; verifying implementation of corrective actions; stopping unsafe activities; and ensuring compliance with regulations. You are hereby delegated the authority necessary to meet those responsibilities, including prohibiting the use of byproduct material by employees who do not meet the necessary requirements and shutting down operations where justified by radiation safety. You are required to notify management of situations where staff are not cooperating and not addressing radiation safety issues. In addition, you are free to raise issues with the Nuclear Regulatory Commission at anytime. It is estimated that you will spend 5 hours per week conducting radiation protection activities.

Ryan K. Smith,  
CEO

I accept the above responsibilities,

  
Signature of Radiation Safety Officer

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member of  
the Planetree  
Alliance.

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From: 5409948568 Page: 1/7 Date: 12/20/2007 8:34:26 AM  
FAX NO. :5409948568

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**Pulaski  
Community Hospital**

HCA Virginia

NEW RIVER VALLEY  
CANCER CARE CENTER**Radiation Safety Office**2400 Lee Highway  
Post Office Box 759  
Pulaski, Virginia 24301  
(540) 994-8545 (main)  
(540) 994-8568 (fax)James P. Nunn, MS  
Radiation Safety Officer  
(540) 239-0224 cell  
(540) 994-8280 Office  
James.Nunn@HCAhealthcare.com

20 December 2007

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DNMS

Jacqueline D. Cook  
Health Physicist  
USNRC Region-IV  
Division of Nuclear Materials Safety  
Texas Health Resources Tower  
611 Ryan Plaza, Suite 400  
Arlington, TX 76011-4005

Dear Ms. Cook,

It is with great confidence that I submit the attached USNRC form 313A(RSO) for Margaret Stroup to be named Radiation Safety Officer for Central Peninsula Hospital (USNRC License #50-29075-01 Docket 030-33614). I have personally worked with Ms. Stroup since May of 1999 where she was the director of Imaging Services at Johnston Memorial Hospital, Abingdon, Virginia. I served Ms. Stroup as Consultant Radiation Physicist until her departure in mid 2007.

During my tenure as radiation physicist at Johnston Memorial Hospital, I inspected all aspects of the radiation safety program. I found that Ms. Stroup displayed a high level of proficiency in managing the radiation safety program, and also required the same level proficiency from her subordinate technologists and consultants. I see no reason why Ms. Stroup should not be appointed Radiation Safety Officer of this program.

In your review of this document if you have any questions, comments, or concerns regarding the content of the attached form, please do not hesitate to contact me by telephone or e-mail.

Respectfully Submitted,

  
James P. Nunn, MS  
Radiation Safety Officer

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FAX NO. :5409948568

Dec. 20 2007 01:30PM P5

NRC FORM 313A (R&O)  
(2-2007)

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)**

- 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

45-21206-01

James P. Nunn, MS

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 Margaret Stroup \_\_\_\_\_ 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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NRC FORM 313A (R60) (2-2000)	U.S. NUCLEAR REGULATORY COMMISSION
<b>RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)</b>	
<b>Preceptor Attestation (continued)</b>	
<b>First Section (continued)</b> Check one of the following:	
<input type="checkbox"/> <b>3. Additional Authorization as Radiation Safety Officer</b>	
<input type="checkbox"/> I attest that _____ is an <div style="text-align: center; font-size: small;">Name of Proposed Radiation Safety Officer</div>	
<input type="checkbox"/> Authorized User	
<input type="checkbox"/> Authorized Nuclear Pharmacist	
<input type="checkbox"/> 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	
<b>AND</b>	
<b>Second Section</b> Complete for all (check all that apply):	
<input checked="" type="checkbox"/> I attest that <b>Margaret Stroup</b> has training in the radiation safety, regulatory issues, and <div style="text-align: center; font-size: small;">Name of Proposed Radiation Safety Officer</div>	
emergency procedures for the following types of use:	
<input checked="" type="checkbox"/> 35.100	
<input checked="" type="checkbox"/> 35.200	
<input checked="" type="checkbox"/> 35.300 oral administration of less than or equal to 33 millicuries of sodium iodide I-131, for which a written directive is required	
<input checked="" type="checkbox"/> 35.300 oral administration of greater than 33 millicuries of sodium iodide I-131	
<input checked="" type="checkbox"/> 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	
<input checked="" type="checkbox"/> 35.300 parenteral administration of any other radionuclide for which a written directive is required	
<input checked="" type="checkbox"/> 35.400	
<input checked="" type="checkbox"/> 35.500	
<input type="checkbox"/> 35.600 remote afterloader units	
<input type="checkbox"/> 35.600 teletherapy units	
<input type="checkbox"/> 35.600 gamma stereotactic radiosurgery units	
<input type="checkbox"/> 35.1000 emerging technologies, including:	

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NRC FORM 313A (R80) (2-2007)		U.S. NUCLEAR REGULATORY COMMISSION	
<b>RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)</b>			
<b>AND</b>			
<b>Third Section</b> <b>Complete for ALL</b>			
<input checked="" type="checkbox"/> I attest that <b>Margaret Stroup</b> 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.			
-----			
<b>Fourth Section</b> <b>Complete the following for Preceptor Attestation and signature</b>			
I am the Radiation Safety Officer for <b>Pulaski Community Hospital,</b> <small>Name of Facility</small>			
License/Permit Number: <b>45-21208-01 Docket #030-19931</b>			
Name of Preceptor <b>James P. Nunn, MS</b>		Signature 	Telephone Number <b>(540) 239-0224</b>
		Date <b>12/20/2007</b>	

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FAX NO. : 5409948568

Dec. 20 2007 01:30PM P4

NRC FORM 313A (R30)  
(2-2007)

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)***(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)*

Supervising Individual

James P. Nunn, MS

License/Permit Number listing supervising individual as a  
Radiation Safety Officer

45-21206-01

This license authorizes 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 ( )**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	Physics Associates (45-17344-01) Engelhardt and Associates	2003-2007 10/22-26/07
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses	Physics Associates	2003-2007
Radiation safety, regulatory issues, and emergency procedures for 35.400 uses	Physics Associates	2003-2007
Radiation safety, regulatory issues, and emergency procedures for 35.600 - teletherapy uses	N/A	
Radiation safety, regulatory issues, and emergency procedures for 35.600 - remote afterloader uses	N/A	
Radiation safety, regulatory issues, and emergency procedures for 35.600 - gamma stereotactic radiosurgery uses	N/A	
Radiation safety, regulatory issues, and emergency procedures for 35.1000, specify use(s):	N/A	

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NRC FORM 313A (R&O) (10-2006)		U.S. NUCLEAR REGULATORY COMMISSION
RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)		
<b>3. Structured Educational Program for Proposed Radiation Safety Officer (continued)</b>		
<b>b. Supervised Radiation Safety Experience</b> (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	Johnston Memorial Hospital, Abingdon, Virginia License #45-25240-01	2003-2007
Using and performing checks for proper operation of instruments used to determine the activity of dosages, survey meters, and instruments used to measure radionuclides	Johnston Memorial Hospital, Abingdon, Virginia License #45-25240-01	2003-2007
Securing and controlling byproduct material	Johnston Memorial Hospital, Abingdon, Virginia License #45-25240-01	2003-2007
Using administrative controls to avoid mistakes in administration of byproduct material	Johnston Memorial Hospital, Abingdon, Virginia License #45-25240-01	2003-2007
Using procedures to prevent or minimize radioactive contamination and using proper decontamination procedures	Johnston Memorial Hospital, Abingdon, Virginia License #45-25240-01	2003-2007
Using emergency procedures to control byproduct material	Johnston Memorial Hospital, Abingdon, Virginia License #45-25240-01	2003-2007
Disposing of byproduct material	Johnston Memorial Hospital, Abingdon, Virginia License #45-25240-01	2003-2007
Licensed Material Used (e.g., 35.100, 35.200, etc.)+ 35.100, 200, 300, 400, 500 and 10 CFR 36 (MDS Nordion Cs-137 irradiator -50 Ci) at JMH	Johnston Memorial Hospital, Abingdon, Virginia License #45-25240-01	2003-2007
<p>* Choose all applicable sections of 10 CFR Part 35 to describe radiotopes and quantities used: 35.100, 35.200, 35.300, 35.400, 35.600, 35.600 remote afterloader units, 35.600 teletherapy units, 35.600 gamma stereotactic radiosurgery units, emerging technologies (provide list of devices)</p>		

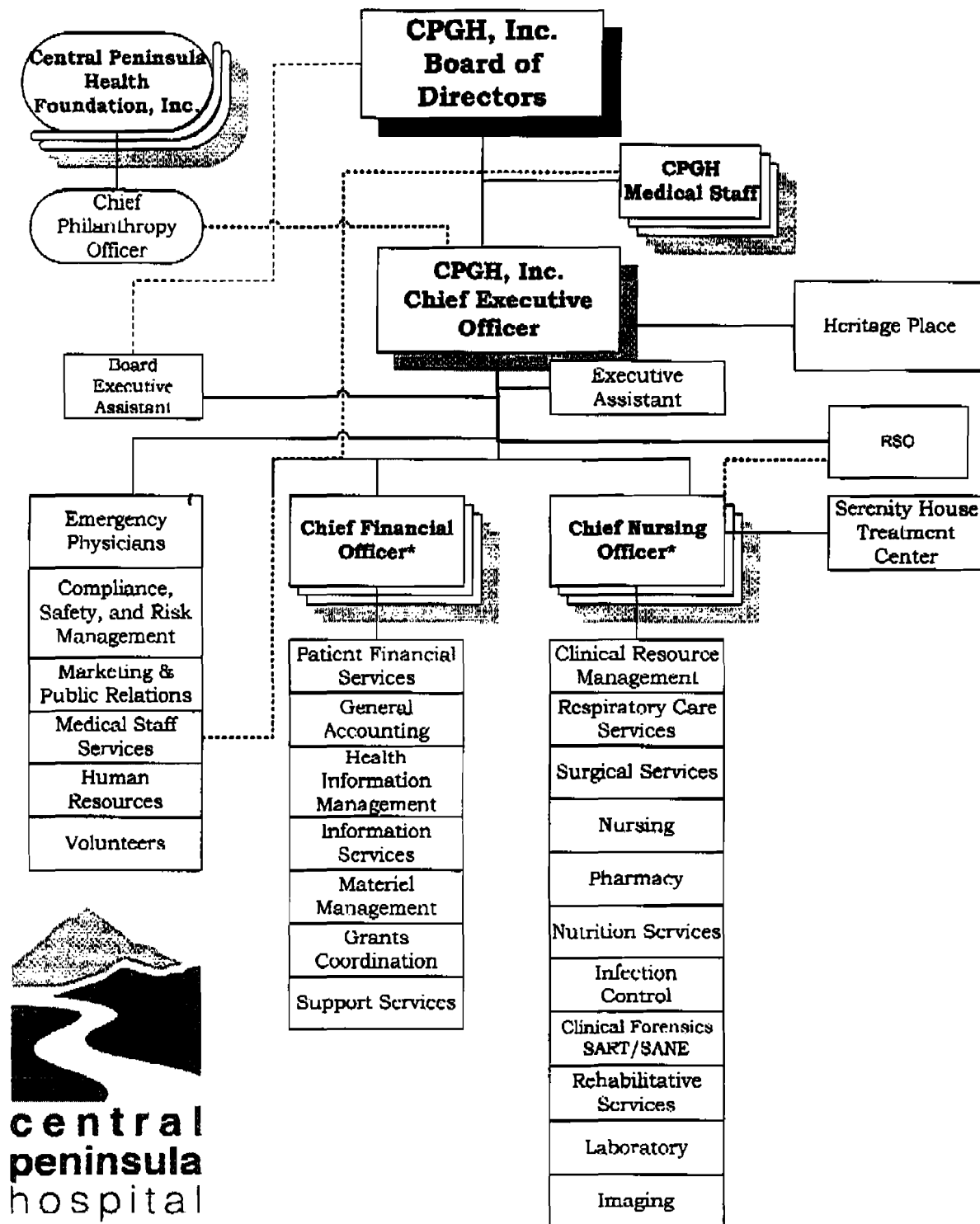
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From: 5409948568 Page: 2/7 Date: 12/20/2007 8:34:26 AM

FAX NO. :5409948568

Dec. 20 2007 01:29PM P2

<b>NRC FORM 315A (RSO)</b> (2-2007)	<b>U.S. NUCLEAR REGULATORY COMMISSION</b>	<b>APPROVED BY OMB: NO. 3150-0120</b> <b>EXPIRES: 10/31/2008</b>
<b>RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION</b> <b>[10 CFR 35.50]</b>		
Name of Proposed Radiation Safety Officer <b>Margaret Stroup</b>		
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 checked="" 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 ( )		
<b>PART I - TRAINING AND EXPERIENCE</b> <i>(Select one of the four methods below)</i>		
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.		
<input type="checkbox"/> <b>1. Board Certification</b> 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"/> <b>2. Current Radiation Safety Officer Seeking Authorization to Be Recognized as a Radiation Safety Officer for the Additional Medical Uses Checked Above</b> 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 checked="" type="checkbox"/> <b>3. Structured Educational Program for Proposed Radiation Safety Officer</b> a. Classroom and Laboratory Training		
Description of Training	Location of Training	Clock Hours      Dates of Training*
Radiation physics and instrumentation	Engelhardt and Associates (Madison, WI)	6.5      10/22-26/2007
	Physics Associates (Roanoke, Va)	15      Feb 2001
	Engelhardt and Associates (Madison WI)	5.5      October 1996
	Southwest Virginia Community College (Richlands, Va)	42      1981-1982
Radiation protection	Engelhardt and Associates (Madison, WI)	3      10/22-26/2007
	Physics Associates (Roanoke, Va)	7.5      Feb 2001
	Engelhardt and Associates (Madison WI)	3      October 1996
	Southwest Virginia Comm. College (Richlands, Va.)	42      1981-1982
Mathematics pertaining to the use and measurement of radioactivity	Engelhardt and Associates (Madison, WI)	2      10/22-26/2007
	Physics Associates (Roanoke, Va)	15      Feb 2001
	Engelhardt and Associates (Madison WI)	2      October 1996
	Southwest Virginia Comm. College	64      1981-1982
Radiation Biology	Engelhardt and Associates (Madison, WI)	1      10/22-26/2007
	Southwest Virginia Comm. College (Richlands, Va)	42      1982
	Engelhardt and Associates (Madison WI)	1      October 1996
Radiation Dosimetry	Engelhardt and Associates (Madison, WI)	1.5      10/22-26/2007
	Physics Associates (Roanoke, Va)	7.5      Feb 2001
	Engelhardt and Associates (Madison WI)	1.5      October 1996
<b>Total Hours of Training: 281 hours</b>		



## Organizational Chart

Updated 12-27-2007

\* Acts as Administrator in CEO's absence

MEDICAL PHYSICS  
SHIELDING RECOMMENDATIONS

RADIATION PHYSICS  
EMERGENCY CONSULTATION



## PHYSICS ASSOCIATES, LLC

Lee S. Anthony, Ph.D.  
Certified Health Physicist  
Certified Medical Physicist  
Certified Radiologic Physicist

5346 Peters Creek Road  
Roanoke, Virginia 24019  
Tel: (540) 563-0165  
Fax: (540) 563-0082

James P. Nunn, M.S.  
Dan L. White, A.A.S.  
Nicholas Graham, M.S.  
Robert C. Hudson, M.S.  
Lee S. Anthony, Jr., B.S./M.A.

November 10, 2007

To Whom It May Concern:

I have known and worked with Margaret Stroup for approximately twenty years. As a Medical Physics consultant, I have consulted with Johnston Memorial Hospital in Abingdon, Virginia, where Ms. Stroup has been involved with Nuclear Medicine and Radiation Safety as a technologist and department manager.

In addition to daily interaction with the above, Ms. Stroup has served as a member of the Radiation Safety Committee.

Ms. Stroup has successfully taken a 40 hour course on Radiation Safety/Nuclear Medicine operations, offered by our firm.

I note that Central Peninsula Hospital is licensed for materials described in 10 CFR 35.100 & 35.200. In my opinion, Ms. Stroup is prepared by training and experience to oversee the Radiation Safety aspects of such a program.

Sincerely,

Lee S. Anthony, Ph.D.  
C.H.P.; C.M.P.; C.R.P.

# *Certificate of Completion*

*awarded to*

***Margaret Stroup***

*for participation in*

**Radiation Safety Officer Course – Madison, WI**

**October 22-26, 2007**



**ENGELHARDT & ASSOCIATES, INC.**

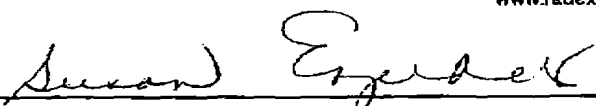
**RADIATION CONSULTANTS**

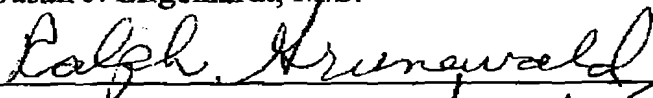
6400 Gisholt Dr., Suite, 111 Madison, WI 53713

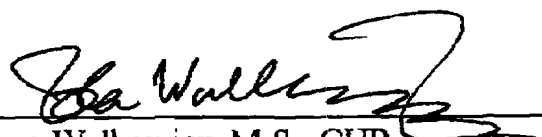
Phone: 800.525.3078 Fax: 608.224.0821

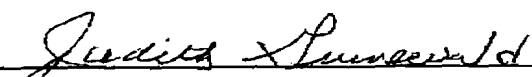
E-mail: engel@chorus.net

www.radexperts.com

  
Susan J. Engelhardt, M.S.

  
Ralph Grunewald, Ph.D.

  
Joshua Walkowicz, M.S., CHP

  
Judith Grunewald, R.N., M.S.

  
Michael Smith, Health Physics Associate

# Emergency Management Institute



## FEMA

This Certificate of Achievement is to acknowledge that

**MARGARET STROUP**

has reaffirmed a dedication to serve in times of crisis through continued professional development and completion of this course:

**IS-00100**

**Introduction to the Incident Command System,  
(ICS 100)**

*Issued this 23rd Day of July, 2007*

0.3 CEU

  
**Cortez Lawrence, PhD**  
*Superintendent*  
Emergency Management Institute

FEMA Form 36-38, October 05

DETACH THIS STUB

# Emergency Management Institute



## FEMA

This Certificate of Achievement is to acknowledge that

**MARGARET STROUP**

has reaffirmed a dedication to serve in times of crisis through continued  
professional development and completion of this course:

**IS-00700**

**National Incident Management System  
(NIMS) an Introduction**

*Issued this 23rd Day of July, 2007*

  
**Cortez Lawrence, PhD**  
Superintendent  
Emergency Management Institute

0.3 CEU

FEMA Form 10-31, October 05

DETACH THIS STUB

224-72-3871 ED

P.16/18

To: 8178608263

1907714995

DEC-27-2007 11:32 From:

THIS IS TO CERTIFY THAT

MARGARET STROUP

HAS SUCCESSFULLY COMPLETED THE

**"RADIATION SAFETY OFFICER"/MEDICAL  
COURSE TAUGHT BY PHYSICS ASSOCIATES**

AT MARION, VIRGINIA

FROM FEBRUARY 19 TO FEBRUARY 24 2001

THIS COURSE WAS BASED ON THE DRAFT REGULATORY GUIDE "QUALIFICATIONS FOR  
THE RADIATION SAFETY OFFICER IN A LARGESCALE NON-FUEL CYCLE RADIONUCLIDE PROGRAM"  
BY THE U.S. NUCLEAR REGULATORY COMMISSION.

*Lee S. Anthony*  
Lee S. Anthony, Ph.D., Instructor  
Certified Health Physicist  
Certified Radiologic Physicist  
Certified Medical Physicist

ASRT # VAD0021001

229-72-3891

ARDMS 016642  
ARRT 184146

# Certificate of Completion

awarded to

*Margaret Stroup*

for participation in the

## Radiation Safety Officer Course

Given by Engelhardt & Associates, Inc.

October 28 - November 1, 1996

Madison, WI

*Susan J. Engelhardt*  
Susan J. Engelhardt, M.S.

*Ralph Grunewald*  
Ralph Grunewald, Ph.D.

*Dee Kaiser*  
Dee Ann Kaiser, M.S.

*Judith Grunewald*  
Judith Grunewald, R.N., M.S.

[illegible]

MARGARET STROUP

## ACCEPTANCE REVIEW MEMO (ARM)

Licensee: Central Peninsula Hospital

License No.: 50-29075-01

Docket No.: 030-33614

Mail Control No.: 471616

Type of Action: Amendment

Date of Requested Action: December 20, 2007

Reviewer  
Assigned:

ARM reviewer(s): J. Cook/R. Torres

Response	Deficiencies Noted During Acceptance Review
	<p>[ ] Open ended possession limits. Submit inventory. Limit possession.</p> <p>[ ] Submit copies of latest leak test results.</p> <p>[ ] Add IC L.C., split cover letter from license, add SUNSI markings to license.</p> <p>[ ] Confirm with licensee if they have NARM material.</p>

Reviewer's Initials: \_\_\_\_\_

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

- ☐ Yes ☐ No Request for unrestricted release Group 2 or >. Consult with Bravo Branch.
- ☐ Yes ☐ No Termination request < 90 days from date of expiration
- ☐ Yes ☐ No Expedite (medical emergency, no RSO, location of use/storage not on license, RAM in possession not on license, other)
- ☐ Yes ☐ No TAR needed to complete action.

Branch Chief's and/or HP's Initials: \_\_\_\_\_ Date: \_\_\_\_\_

### SUNSI Screening according to RIS 2005-31

☐ Yes ☒ No Sensitive and Non-Publicly Available if any item below is checked

General guidance:

- \_\_\_\_\_ RAM = or > than Category 3 (Table 1, RIS 2005-31), use Unity Rule
- \_\_\_\_\_ Exact location of RAM (whether = or > than Category 3 or not)
- \_\_\_\_\_ Design of structure and/or equipment (site specific)
- \_\_\_\_\_ Information on nearby facilities
- \_\_\_\_\_ Detailed design drawings and/or performance information
- \_\_\_\_\_ Emergency planning and/or fire protection systems

Specific guidance for medical, industrial and academic (above Category 3):

- \_\_\_\_\_ RAM quantities and inventory
- \_\_\_\_\_ Manufacturer's name and model number of sealed sources & devices
- \_\_\_\_\_ Site drawings with exact location of RAM, description of facility
- \_\_\_\_\_ RAM security program information (locks, alarms, etc.)
- \_\_\_\_\_ Emergency Plan specifics (routes to/from RAM, response to security events)
- \_\_\_\_\_ Vulnerability/security assessment/accident-safety analysis/risk assess
- \_\_\_\_\_ Mailing lists related to security response

Branch Chief's and/or HP's Initials: \_\_\_\_\_

Date: 12/28/07

## Checklist to Ensure That Radioactive Material Will Be Used as Intended

### Applicant Information:

Control No. 471616

Name: Central Peninsula Hospital	Type of Request: Amendment Program Code(s):
Location: AK	License No.: 50-29075-01      Docket No.: 030-33614

### STEP 1, ITEM A - INITIAL SCREENING

<b>Instructions for Step 1:</b> Complete Step 1 for all applications. If Step 1, Items A and B, are "YES" then do not complete Step 2. Sign and date the completed form and add it to ADAMS as Non-Sensitive and Non-Publicly Available. If a "NO" response is indicated for Item A or Item B, add the completed form to ADAMS as Sensitive and Non-Publicly Available, and complete Step 2 (Additional Screening). If the type of use is subject to a Security Order, complete Step 3, Item A, without delay. If the additional requirements for increased controls will be applied or voided, complete Step 3, Item B, without delay.	YES or NO
A. The applicant is a known entity or a licensee transferring control to a known entity. This determination has been made using the screening criteria in Worksheet A below.	Yes

### Worksheet A

<b>Instructions for Worksheet A:</b> Answer each of the 6 questions below by placing a "Yes", "No", or "NA" response in the column on the right. Best practices for a reviewer are provided after each of the questions. If the answer to <b>any</b> of the 6 questions is "Yes" then indicate "Yes" in Step 1, Item A, above. If the answers to all of the 6 questions is "No" then indicate "No" in Step 1, Item A, above. <b>NOTE</b> - If the reviewer has personal knowledge of the applicant's veracity, this can be taken into account in responding to any questions. For example, if the applicant's management and/or RSO have been associated with a current or previous NRC or Agreement State license, then the applicant may be considered as a known entity.	YES, NO, or NA
1. <b>Does the applicant have a current Agreement State or NRC license?</b> The reviewer should 1) confirm that a valid license/registration/authorization exists for the applicant; and 2) compare the current license to the application to verify that the application represents a reasonable expansion of the licensee's operation (i.e., medical facility adding a gamma knife or an Agreement State licensee obtaining an NRC license in order to work in NRC jurisdiction without filing reciprocity).	Yes
2. <b>Does the applicant have a current Agreement State or NRC license at another location and the new application represents the addition of a new facility within the scope of the licensee's core business?</b> The reviewer should contact the appropriate licensing authority to confirm that a valid license/registration/authorization exists for the applicant and the corporate office of the licensee to verify that it has knowledge of and approves of the new application.	—
3. <b>Does the applicant have a current State or Federal government license, registration, authorization, etc., for other operations within the scope of its proposed license activities?</b> (e.g., a company authorized by a State for mining that is now requesting authorization to use fixed gauges). The reviewer should contact the appropriate government office to confirm that the license, registration, authorization, etc., is valid; and the applicant's corporate office to confirm that it has knowledge of and approves of the new application to possess radioactive materials.	—
4. <b>Is the applicant a local, State or Federal government agency?</b> The reviewer should contact the local, State or Federal government office to confirm that the applicant is a government entity.	—
5. <b>Does the application only involve the relocation of an existing licensee, or its mailing address, to another State?</b> This includes new licenses created from existing licenses listing locations in multiple States, in preparation for transfer of licenses to States that will shortly sign an Agreement with the NRC.	—
6. <b>Is the application only the result of a licensee failing to submit a renewal application in a timely manner?</b>	—

## STEP 1, ITEM B - INITIAL SCREENING CONTINUED

B.	The applicant is requesting certain radionuclides and quantities that are less than the Risk Significant Quantity (TBq) values in Worksheet B, below, as "highlighted" by the reviewer, or is currently subject to a security order or additional requirements for increased controls. If "Yes", there is no need to proceed further.	NA
----	---	----

### Worksheet B - Risk Significant Quantities

(Category 2 Quantities, IAEA Safety Guide No. RS-G-1.9, Categorization of Radioactive Sources, August 2005)

Radionuclide	Risk Significant Quantity (TBq <sup>1</sup> )	Risk Significant Quantity (Ci <sup>1</sup> )	Radionuclide	Risk Significant Quantity (TBq <sup>1</sup> )	Risk Significant Quantity (Ci <sup>1</sup> )
Am-241	0.6	16	Pm-147	400	11,000
Am-241/Be	0.6	16	Pu-238	0.6	16
Cf-252	0.2	5.4	Pu-239/Be	0.6	16
Cm-244	0.5	14	Ra-226 <sup>2</sup>	0.4	11
Co-60	0.3	8.1	Se-75	2	54
Cs-137	1	27	Sr-90 (Y-90)	10	270
Gd-153	10	270	Tm-170	200	5,400
Ir-192	0.8	22	Yb-169	3	81

<sup>1</sup> The primary values are TBq. The curie (Ci) values are for informational purposes only.

<sup>2</sup> The Atomic Energy Act, as amended by the Energy Policy Act of 2005, authorizes NRC to regulate Ra-226 and NRC is in the process of amending its regulations for discrete sources of Ra-226.

Calculations of the Total Activity or the Unity Rule were completed. <b>NOTE</b> —If an amendment of an existing license is being requested, the calculations will include the previously authorized quantities for the radionuclide(s).	Yes, No, or Not Applicable (NA)
Total Activity—multiple activities are requested for a single radionuclide and the sum of the activities is less than the Risk Significant Quantity (TBq) for the radionuclide.	—
Unity Rule—multiple radionuclides are requested and the sum of the ratios is less than 1.0, e.g., [(total activity for radionuclide A) ÷ (risk significant quantity for radionuclide A)] + [(total activity for radionuclide B) ÷ (risk significant quantity for radionuclide B)] < 1.0.	—

**Signature and Date for Step 1:**

*RT 12/28/07*  
License Reviewer and Date

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

```

:      (FOR LFMS USE)
:      INFORMATION FROM LTS
:      -----
:
:      Program Code: 02121
:      Status Code: 0
:      Fee Category: 7C
:      Exp. Date: 20140831
:      Fee Comments:
:      Decom Fin Assur Req'd: N
:
:      .....

```

LICENSE FEE TRANSMITTAL

### A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: CENTRAL PENINSULA GENERAL HOSPITAL  
Received Date: 20071227  
Docket No: 3033614  
Control No.: 471616  
License No.: 50-29075-01  
Action Type: Amendment

2. FEE ATTACHED

Amount:                       
Check No.:                     

### 3. COMMENTS

Signed RTT 12/31/07  
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 \_\_\_\_\_