

NMS 62

January 17, 2008

Commercial and R&D Branch Division of Nuclear Materials Safety Region I 475 Allendale Road King of Prussia, Pennsylvania 19406

RE:

Virginia Cardiology, P.C.

3020 Hamaker Court

Suite 500

Fairfax, VA 22031

License # 45-23046-01

03020211

To Whom It May Concern:

Please amend the above referenced license to add Robert E. Cunnion, M.D. as an authorized user to the above referenced license. Documentation in support of this physician's credentials is enclosed.

Any questions regarding this request may be directed to me at (703) 641-0500.

Sincerely,

Neil C. Smarte, C.N.M.T. Radiation Safety Officer.

141786

NRC FORM 313A (AUD) U.S. NUCLEAR REGULATORY COMMISSION **AUTHORIZED USER TRAINING AND EXPERIENCE** APPROVED BY OMB: NO. 3150-0120 AND PRECEPTOR ATTESTATION EXPIRES: 10/31/2008 (for uses defined under 35.100, 35.200, and 35.500) [10 CFR 35.190, 35.290, and 35.590] State or Territory Where Licensed Name of Proposed Authorized User Robert E. Cunnion, M.D. Virginia Requested Authorization(s) (check all that apply) 35.100 Uptake, dilution, and excretion studies √ 35.200 Imaging and localization studies 35.500 Sealed sources for diagnosis (specify device **PART I -- TRAINING AND EXPERIENCE** (Select one of the three 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 a. Provide a copy of the board certification. b. If using only 35.500 materials, stop here. If using 35.100 and 35.200 materials, skip to and complete Part II Preceptor Attestation. 2. Current 35.390 Authorized User Seeking Additional 35.290 Authorization meeting 10 CFR 35.390 or equivalent Agreement a. Authorized user on Materials License State requirements seeking authorization for 35.290. b. Supervised Work Experience. (If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)

Location of Experience/License or Clock Dates of Description of Experience Permit Number of Facility Hours Experience* Eluting generator systems appropriate for the preparation of radioactive drugs for imaging and localization studies, measuring and testing the eluate for radionuclidic purity, and processing the eluate with reagent kits to prepare labeled radioactive drugs **Total Hours of Experience:** Supervising Individual License/Permit Number listing supervising individual as an authorized user Supervisor meets the requirements below, or equivalent Agreement State requirements (check all that apply).

35.290

35.390 + generator experience in 32.290(c)(1)(ii)(G)

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

√ 3. <u>Training and Experience for Proposed Authorized User</u>

a. Classroom and Laboratory Training.

Location of Training	Clock Hours	Dates of Training*
Health and Radiological Seminars, Inc., 550 Highland Street, Suite 303 Frederick, MD 21701	100	February- May, 2007
Health and Radiological Seminars, Inc., 550 Highland Street, Suite 303 Frederick, MD 21701	30	February- May, 2007
Health and Radiological Seminars, Inc., 550 Highland Street, Suite 303 Frederick, MD 21701	20	February- May, 2007
Health and Radiological Seminars, Inc., 550 Highland Street, Suite 303 Frederick, MD 21701	30	February- May, 2007
Health and Radiological Seminars, Inc., 550 Highland Street, Suite 303 Frederick, MD 21701	20	February- May, 2007
	Health and Radiological Seminars, Inc., 550 Highland Street, Suite 303 Frederick, MD 21701 Health and Radiological Seminars, Inc., 550 Highland Street, Suite 303 Frederick, MD 21701 Health and Radiological Seminars, Inc., 550 Highland Street, Suite 303 Frederick, MD 21701 Health and Radiological Seminars, Inc., 550 Highland Street, Suite 303 Frederick, MD 21701 Health and Radiological Seminars, Inc., 550 Highland Street, Suite 303 Health and Radiological Seminars, Inc., 550 Highland Street, Suite 303	Health and Radiological Seminars, Inc., 550 Highland Street, Suite 303 Frederick, MD 21701 Health and Radiological Seminars, Inc., 550 Highland Street, Suite 303 Frederick, MD 21701 Health and Radiological Seminars, Inc., 550 Highland Street, Suite 303 Frederick, MD 21701 Health and Radiological Seminars, Inc., 550 Highland Street, Suite 303 Frederick, MD 21701 Health and Radiological Seminars, Inc., 550 Highland Street, Suite 303 Frederick, MD 21701 Health and Radiological Seminars, Inc., 550 Highland Street, Suite 303 Frederick, MD 21701

Total Hours of Training: 200 hours

00 hours

b. Supervised Work Experience (completion of this table is not required for 35.590). (If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)

Supervised Work Experience		Total Hours of Experience: 500 hours		
Description of Experience Must Include:	Location of Experience Permit Number of		Confirm	Dates of Experience*
Ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys	Cardiac Diagnostic Services of 8505 Arlington Blvd., Suite 320 Fairfax, VA 22031 NRC# 45-24867-01	•	✓ Yes	August 2007- January 2008
Performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of survey meters	Cardiac Diagnostic Services of 8505 Arlington Blvd., Suite 320 Fairfax, VA 22031 NRC# 45-24867-01	•	✓ Yes No	August 2007- January 2008

d. For 35.500 uses only, stop here. For 35.100 and 35.200 uses, skip to and complete Part II Preceptor Attestation.

NRC FC	RM 313A (AUD)				U.S. NUCLEAR REGULA	TORY COMMISSION
(3-2007)	AUTHORIZED U	JSER TRAININ	IG AND EXPERIE	NCE AND PRECEP	TOR ATTESTATION (co	ontinued)
		-	PART II – PRECE	PTOR ATTESTATI	ON	
Note:	individual as long one preceptor is	g as the precep necessary to d	tor provides, direc	ts, or verifies training	otor does not have to be the grand experience required a preceptor statement from	I. If more than
	Section					
	one of the follow	ing for each u	ise requested:			
<u> </u>	· 35.190					
	Board Certification	<u>111</u>		has satisfactorily	completed the requireme	nts in
	I attest that	Name of Propo	osed Authorized User	mas satisfactorily i	completed the requiremen	nts in
		90(a)(1) and ha	as achieved a leve	l of competency suffi ed under 10 CFR 35.	icient to function independ 100.	dently as an
				OR		
	Training and Exp	<u>erience</u>				
	I attest that			has satisfactorily	completed the 60 hours o	of training and
	ovnorionco i	•	osed Authorized User	f classroom and labo	oratory training, required b	v 10 CEP
	35.190(c)(1),	and has achie	ved a level of com		function independently as	
For	<u> 35.290</u>					
	Board Certification	<u>on</u>				
	I attest that			has satisfactorily	completed the requireme	nts in
			osed Authorized User			
				I of competency suffed under 10 CFR 35.	icient to function independ 100 and 35.200.	dently as an
				OR		
	Training and Exp	<u>erience</u>				
	✓ I attest that	Robert E. Cun	nion, M.D. osed Authorized User	has satisfactorily	completed the 700 hours	of training
	CFR 35.290(c)(1), and has	achieved a level o		d laboratory training, requ ent to function independer .100 and 35.200.	
	nd Section					
Comp	lete the following	tor preceptor	attestation and s	signature:		
	✓ I meet the re	quirements bel	low, or equivalent	Agreement State req	uirements, as an authoriz	zed user for:
	25 100	35.290	35.390	75 300 ± gon	orator experience	
	√ 35.190	▼ 35.290	35.390	35.390 + gen	erator experience	
	of Preceptor ne D. Bussey, M.D.		Signature	ussel	Telephone Number (703) 641-0500	Date
Licens	e/Permit Number/Fac	cility Name		<i>f</i>		
	45-24867-01 Cardia		rvices of Virginia	U		

NRC FORM 313A (AUD) (3-2007)

U.S. NUCLEAR REGULATORY COMMISSION

AUTHORIZED USER TRAINING AND EXPERIENCE

(for uses defined u	EPTOR ATTESTA nder 35.100, 35.20 190, 35.290, and 3	0, and 35.500)	EXPIRES: 10/3	1/2008
Name of Proposed Authorized User		State or Territory Where Licen	sed	
Robert E. Cunnion, M.D.		Virginia		
Requested Authorization(s) (check a	ill that apply)			
35.100 Uptake, dilution, and exc	retion studies			
√ 35.200 Imaging and localization	studies			
35.500 Sealed sources for diagn	osis (specify device)	
		G AND EXPERIENCE three methods below)	-	
* Training and Experience, includin the date of application or the indiv the required training and experience education and experience related	vidual must have obtain nce was completed. Pr	ed related continuing educat ovide dates, duration, and de	ion and experie	nce since
1. Board Certification				
a. Provide a copy of the board	certification.			
 b. If using only 35.500 material Preceptor Attestation. 	ls, stop here. If using 3	5.100 and 35.200 materials,	skip to and com	plete Part II
2. Current 35.390 Authorized	User Seeking Additio			
a. Authorized user on Materials		meeting 10 CFR 35	5.390 or equival	ent Agreement
b. Supervised Work Experienc (If more than one supervisin copies of this section.)	e.	ry to document supervised w	ork experience,	provide multiple
Description of Experience		of Experience/License or it Number of Facility	Clock Hours	Dates of Experience*
Eluting generator systems appropriate for the preparation radioactive drugs for imaging an localization studies, measuring testing the eluate for radionuclic purity, and processing the eluate with reagent kits to prepare laboradioactive drugs	nd and dic e			
	Total Hours	of Experience:		
Supervising Individual		License/Permit Number listing authorized user	ng supervising ind	ividual as an
Supervisor meets the requirement 35.290 35.390	·	nt Agreement State requirement state state requirement state	ents (check all i	hat apply).

 Training and Experience for Prop Classroom and Laboratory Training 				
Description of Training	Location of T	raining	Clock Hours	Dates of Training*
Radiation physics and instrumentation				
Radiation protection				
Mathematics pertaining to the use and measurement of radioactivity				
Chemistry of byproduct material for medical use (not required for 35.590)				
Radiation biology				
	Total Hours of Training	g:		
b. Supervised Work Experience (com (If more than one supervising indiv provide multiple copies of this sect	vidual is necessary to docui			
Supervised Work Experience		Total Hours of Experience:		
Description of Experience Must Include:	Location of Experier Permit Number		Confirm	Dates of Experience
Ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys			Yes No	
Performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of survey meters			☐ Yes ☑ No	

FORM 313A (AUD) AUTHORIZED USER TRAININ	G AND EXPERIENC	E AND PRECEPTOR AT	TESTATION (co	ontinued)
Training and Experience for Prop		ser (continued)		
b. Supervised Work Experience. (7
Description of Experience Must Include:		f Experience/License or t Number of Facility	Confirm	Dates of Experience
Calculating, measuring, and safely preparing patient or human researd subject dosages			☐ Yes ✓ No	
Using administrative controls to prevent a medical event involving the use of unsealed byproduct material			☐ Yes ✓ No	
Using procedures to contain spilled byproduct material safely and using proper decontamination procedures	g		Yes No	
Administering dosages of radioactive drugs to patients or human researc subjects			☐ Yes ☑ No	·
Eluting generator systems appropri for the preparation of radioactive drugs for imaging and localization studies, measuring and testing the eluate for radionuclidic purity, and processing the eluate with reagent kits to prepare labeled radioactive drugs	13870 Park Center Herndon, VA 2017 NRC# 45-31125-02	Road, 11	Yes No	November 6, 2007
Supervising Individual Allen Jones, PharmD., RSO		License/Permit Number list authorized user NRC# 45-31125-02 MD	ing supervising ind	lividual as an
Supervisor meets the requirements 35.190 35.290	35.390	35.390 + generator exper		
c. For 35.590 only, provide docum	Type of Training		Location and Da	atae
Device			Location and De	
		1		

	313A (AUD)	U.S. NUCLEAR REGULATORY COMMISSION
(3-2007) A	UTHORIZED USER TRAINING	AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)
	Р	PART II – PRECEPTOR ATTESTATION
in or	dividual as long as the precepto	he individual's preceptor. The preceptor does not have to be the supervising or provides, directs, or verifies training and experience required. If more than cument experience, obtain a separate preceptor statement from each. (Not ments in 35.590)
First Sect Check on	tion le of the following for each us	se requested:
<u>For 35.</u>		
<u>B</u> c	oard Certification	
	I attest that	has satisfactorily completed the requirements in
	•	ed Authorized User
		achieved a level of competency sufficient to function independently as an al uses authorized under 10 CFR 35.100.
_		OR
<u>T</u>	raining and Experience	J
	I attest that	has satisfactorily completed the 60 hours of training and
	·	ed Authorized User
	35.190(c)(1), and has achieve	num of 8 hours of classroom and laboratory training, required by 10 CFR and a level of competency sufficient to function independently as an all uses authorized under 10 CFR 35.100.
For 35	.290	
<u>B</u> (oard Certification	
	I attest that	has satisfactorily completed the requirements in
	10 CFR 35.290(a)(1) and has	ed Authorized User s achieved a level of competency sufficient to function independently as an al uses authorized under 10 CFR 35.100 and 35.200.
		OR
<u>T</u> r	raining and Experience	
	I attest that	has satisfactorily completed the 700 hours of training
		ed Authorized User
	CFR 35.290(c)(1), and has ac	ninimum of 80 hours of classroom and laboratory training, required by 10 chieved a level of competency sufficient to function independently as an all uses authorized under 10 CFR 35.100 and 35.200.
Second S Complete	Section the following for preceptor a	ittestation and signature:
	7 I meet the requirements below	w, or equivalent Agreement State requirements, as an authorized user for:
<u> </u>	√ 35.190 √ 35.290	35.390
	▼ 30.190 ▼ 30.200	33.390 + generator experience
Name of Pr	receptor s, PharmD.,RSO	Signature Telephone Number Date 1/3 1/0 8
		felle par no no no
	ermit Number/Facility Name i1125-02 MD Radiology Services	s of Northern Virginia

COMMONWEALTH OF VIRGINIA

DEPARTMENT OF HEALTH PROFESSIONS

Robert A. Nebiker, Director

William L. Harp, M.D. Executive Director (804) 662-9908

BOARD OF MEDICINE

6603 West Broad Street, 5th Floor Richmond, VA 23230-1712 www.dhp.virginia.gov/medicine

License to Practice Medicine & Surgery

Robert E. Cunnion, MD

Issued 02/06/1998 Expires 08/31/2008

Number 0101057224

To Provide Information or File a Complaint About a Licensee, Call: 1-800-533-1560

THE AMERICAN BOARD OF INTERNAL MEDICINE
ATTESTS THAT

Robert Emmett Cunnion

HAS MET THE REQUIREMENTS OF THIS BOARD AND IS HEREBY DESIGNATED A DIPLOMATE CERTIFIED IN THE SUBSPECIALTY OF

CARDIOVASCULAR DISEASE



R. J. Norse Charles E. Rachley

DATE NOVEMBER 11, 1987

HS	NUCLEAR	REGULATORY	COMMISSION
0.5.	MOCEEUM	VEGOEVION!	COMMISSION

PAGE 1 OF 3 PAGES
Amendment No. 15

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee

1. Cardiac Diagnostic Services of Virginia, Inc.

 8505 Arlington Boulevard Suite 320
 Fairfax, Virginia 22031 In accordance with the letter dated March 5, 2007,

- 3. License number 45-24867-01 is amended in its entirety to read as follows:
- 4. Expiration date July 31, 2012
- 5. Docket No. 030-29501 Reference No.

- 6. Byproduct, source, and/or special nuclear material
- A. Any byproduct material permitted by 10 CFR 35,100
- B. Any byproduct material permitted by 10 CFR 35.200
- C. Any byproduct material permitted by 10 CFR 35.500

7. Chemical and/or physical form

B. Any

- C. Sealed Sources
 (North American Scientific, Inc. Model MED 3601; DuPont Merck Model NES-8412)
- Maximum amount that licensee may possess at any one time under this license
- A. As needed
- B. As needed
- C. No single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State

- 9. Authorized use:
- A. Any uptake, dilution and excretion study permitted by 10 CFR 35.100.
- B. Any imaging and localization study permitted by 10 CFR 35.200.
- C. Diagnostic medical use of sealed sources permitted by 10 CFR 35.500 in compatible devices registered pursuant to 10 CFR 30.32(g).

CONDITIONS

- 10. Licensed material may be used or stored only at the licensee's facilities located at 8505 Arlington Boulevard, Suite 320, Fairfax, Virginia.
- 11. The Radiation Safety Officer for this license is Neil C. Smarte, CNMT.

	U.S. NUCLEAR REGULATORY COMMISSION	1	PAGE	2	of	3	PAGES
		License Number 45-24867-01					
	MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference Number 030-29501	er				
		Amendment No. 15					

- 12. Licensed material is only authorized for use by, or under the supervision of:
 - A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 35.14.
 - B. The following individuals are authorized users for medical use as indicated:

<u>Authorized Users</u>	Material and Use
Christine D. Bussey, M.D.	35.100; 35.200; 35.500
Albert H. Kim, M.D.	35.100; 35.200
Todd Matros, M.D.	35.100; 35.200
Robert G. Matthews, M.D.	35.100; 35.200; 35.500
Pradeep K. Nayak, M.D.	35.100; 35.200
Eric H. Norby, M.D.	35.100; 35.200; 35.500
Todd Pulerwitz, M.D.	35.100; 35.200

- 13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
- 14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

MOA	FORM	2711
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U.S. NUCLEAR REGULATORY COMMISSION

License Number

45-24867-01

Docket or Reference Number 030-29501

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of

PAGES

Amendment No. 15

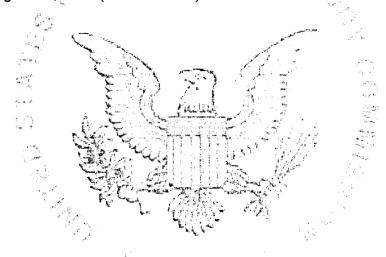
15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for in 10 CFR 35.26. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

A. Application dated February 19, 2002 (ML020520366)

MATERIALS LICENSE

SUPPLEMENTARY SHEET

B. Letter dated August 29, 2003 (ML032450252)



For the U.S. Nuclear Regulatory Commission

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March 22, 2007

By

Michelle Beardsley

Commercial and R&D Branch

Division of Nuclear Materials Safety

Region I

King of Prussia, Pennsylvania 19406

Thursday, March 22, 2007 8:43:02 AM

NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

PAGE 1 OF 5 PAGES

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

ical and/or physi

Licensee

- 1. Radiology Services of Northern Virginia
- 3. License number 45-31125-02MD
- 13870 Park Center Drive, Building #5; Bay #22 Herndon, Virginia 20171-3216
- 4. Expiration and May 31, 2016
- 5. Docket No. 03027208
 - Reference No.

- Byproduct, source, and/or special nuclear material
- A. Any byproduct material with atomic numbers 1-83 except molybdenum 99, technettem 99m, yttrium 90, iodine 131 and xenon 133
- Market Control

- C. Molybdenum 99D. Technetium 99m
- D. Teornicularii Sari
- E. lodine 131

B. Yttrium 90

- F. Xenon 133
- G. Any byproduct material in a brachytherapy source as listed in 10 CFR 35.400
- H. Any byproduct material in a sealed source for diagnosis listed in 10 CFR 35,500
- Any byproduct material listed in 10 CFR 31.11(a)
- J. Any byproduct material identified in 10 CFR 35.65(a)

- B. An¥
- C. Ally
- D. Anv
- E. Any
- F. Anv
- G. Sealed sources (See condition 21)
- H. Sealed Sources (See condition 21)
- Prepackaged units for in vitro diagnostic tests
- J. Sealed Sources (See condition 21)

- 8. Maximum amount that licensee may possess at any one time under this license
- A. 300 millicuries per adionuclide and 1 curie total
- B. 200 millicuries
- C. 200 curies
- D. 200 curies
- E. 2 curies
- F. 2 curies
- G. 500 millicuries
- H. 1.5 curies per source and 5.5 curies total
- I. 50 millicuries
- J. 300 millicuries

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NR	C FORM 374A	U.S. NU	CLEAR RE	GULATORY COM	MISSION			PAGE	2	of	5	PAGES
						License Number 45-31125-02)				
		MATERIALS SUPPLEMENTA				Docket or Refere 03037208	nce l	Number				
					-			•			-	,
6.	Byproduct, nuclear ma	source, and/or special terial	7.	Chemical and/o	or physica	l form	8.	Maximum a possess at Ilcense				
K.	Depleted	Uranium	K.	Metal			K.	1000 kilo	gran	าร		
9.	Authorize	d use:		- <u> </u>								
A. Through F. Preparation and distribution of radioactive drumused molybdenured recipients in accordance with 10 CFR 32.72. and radiochemicals including compounding of molybdenum 99 Chnetium 99m generators					lenum 9 .72. Pre ng of I-1 tors to a	9/technicity paration and 31 and redis uthorized red	99i Hdis tiple	m generat tribution of ution of use ots for nor	ors to f radi ed an n-me	o aut ioact nd ur dical	thoriz ive d tuse use	drugs d
G. a	and H.	Redistribution for m pursuant to 10 CFF registered either wi Agreement State an State specific licens or Agreement State	32.74 th the North and have se aputho	Redistribution pelear Regula beek tilstribut tizing eks	actor no tory Co teck in a	ineiral use inision und eraince wil erains speci	e of der der det der de	acaled so O CFR 32 Commissi O authoriz	urce:	s tha) or w	t hav vith a	ve been an
[.	Redistribe	ution to specific wering remain unchang	seet.	nepi7licen	SEI EES (TE)	rsual to 10	CES	2 31.11 pro	vide	ed the	e pad	ckaging
J.	by a man	n and checking of thus of the contracturer licensed properties of the contracturer licensed properties.	ie licens ursuant i	ee's instruit to 10 CFR 32	Re. 74 to au	distribution of uthorized rec	sei ipier	aled source of and to	es ir auth	nitially orize	y dis d re	tributed cipients
K.	Shielding	for molybdenum-99	/technet	ium-99m gen	erators.							

CONDITIONS

- 10. Licensed material may be used or stored only at the licensee's facilities located at 13870 Park Center Drive, Building #5, Bay #22, Herndon, Virginia.
- 11. Licensed material shall be used by, or under the supervision of:
 - A. A pharmacist working or designated as an authorized nuclear pharmacist in accordance with 10 CFR 32.72(b)(2)(i) or (4).
 - B. Authorized nuclear pharmacists: James Babb, Craig C. Barlow, Scott C. Brower, Thanh Huynh, Allen C. Jones, Steven Mize, Army Smith, John M. Tabb, Jr., John Thomas, Rebecca Wynn and Tim Younkin.

	NRC FORM 374A	U.S. NUCLEAR REGULATORY COMMISSION	1	PAGE	3	of	5	PAGES
			License Number 45-31125-02MD					
		MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference Numb 03037208	er				

- 12. The Radiation Safety Officer for this license is Allen C. Jones, R.Ph., PharmD.
- 13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
- 14. This license does not authorize commercial distribution of licensed material to persons exempt from licensing pursuant to 10 CFR 30.14 through 30.21, inclusive, or equivalent regulations of any Agreement State.
- 15. A. Sealed sources shall be asted for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the U.S. Stuclear Regulatory Commission under 10 CFR 32,216 or under equivalent regulations of an Agreement State.
 - B. Notwithstanding Paragraph A of this Condition, sealed as as designed to primarily emit alpha particles shall be tested for leakage and/or contaminate and to exceed 3 months.
 - C. In the absence of a certificate from a transferent dicate that a leak term as been made within the intervals specified in the certificate of research that yet the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under regulations of an Accessment Late, prior to the transfer, a sealed source received from the transfer person shall not be purely use until tested and the test results received.
 - D. Sealed sources need not be tested if they to be only by drogen of they contain only a radioactive gas; or the half-life of the isotope is 30 days to less; or they contain not more than 100 microcuries of beta- and/or gamma-emitting material or not more than 10 microcuries of alpha-emitting material.
 - E. Sealed sources need not be tested if they are in storage and are not being used; however, when they are removed from storage for use or transferred to another person and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
 - F. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
 - G. Tests for leakage and/or contamination, including leak test sample collection and analysis, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.

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- H. Records of leak test results shall be kept in units of microcuries and shall be maintained for 5 years.
- Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
- 17. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory and shall include the radionuclides; quantities, manufacturer's name and model numbers, and the date of the inventory.
- 18 The licensee is authorized to hold byproduct material with a physical half-life of less than 120 days for decay-in-storage before decosal without regard to its radioactivity if it:
 - A. Monitors byproduct material at the studence before disposition determines that its radioactivity cannot be distinguished from the background radiation level. As appropriate radiation detection survey meter set on its most sensitive scale and with no interest sensitive scale and with no interest sensitive.
 - B. Removes or obliterates all radiation labels of materials that are within containers and that will be repet as biomedical waste affectively have been released from the licensee; and
 - C. Maintains records of the dispose, of icenses at a pairs and years. The record must include the date of disposal, the survey instrument used, the disposal at the surface of each waste container, and the name of the includual who performed the disposal.
- 19. The licensee is authorized to retrieve, receive and dispose of adioactive waste from its customers limited to radiopharmacy supplied syringes and vials and their contents.
- The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

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21. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

A. Application dated January 22, 2006 [ML061386324]

For the U.S. Nuclear Regulatory Commission

Date

May 23, 2006

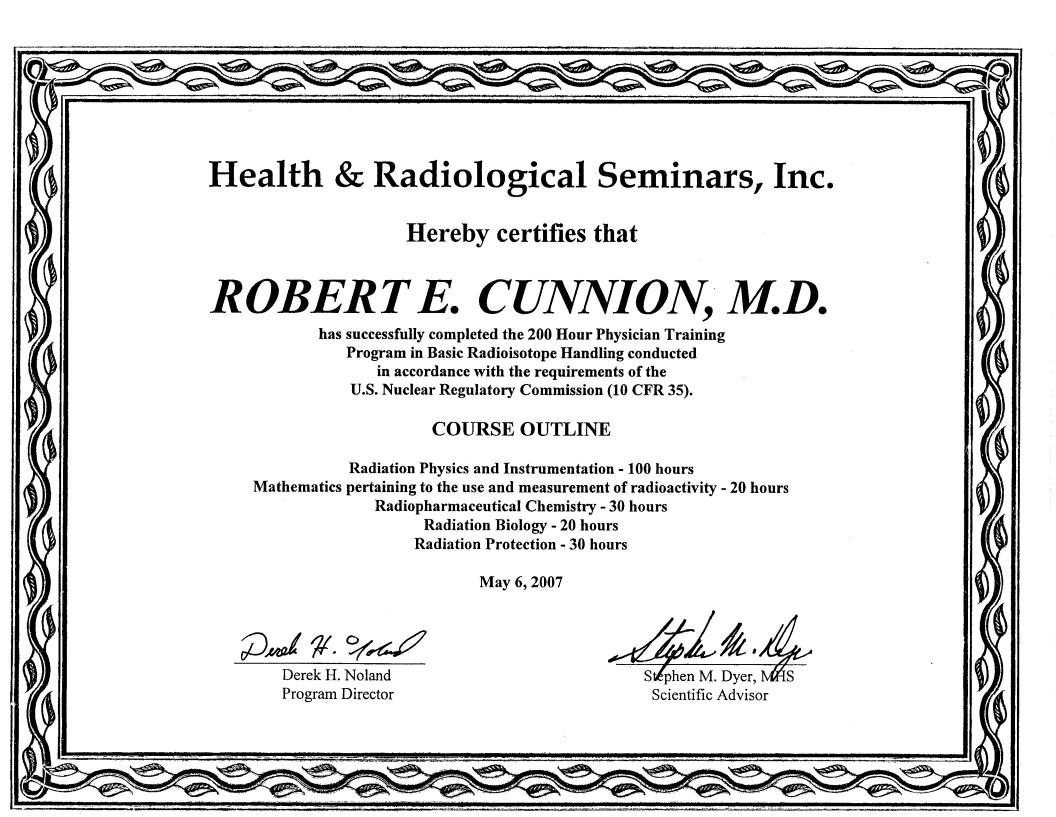
Janua P. Dwyer, Chief

Commercial and R&D Branch
Division of Nuclear Materials Safety

Region I

King of Prussia, Pennsylvania 19406

Tuesday, May 23, 2006 2:53:32 PM



,	receipt of your letter/application dated
includes an administrative re	, and to inform you that the initial processing which eview has been performed.
	5-23046-01 ative omissions. Your application was assigned to a se note that the technical review may identify additional litional information.
Please provide to this off	ice within 30 days of your receipt of this card
Branch, who will contact you Your action has been assign	een forwarded to our License Fee & Accounts Receivable u separately if there is a fee issue involved. ned Mail Control Number
NRC FORM 532 (RI) (6-96)	Sincerely, Licensing Assistance Team Leader

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