

S E N T A R A

RECEIVED

2005 DEC 1 12: 22

Sentara Norfolk General Hospital
600 Gresham Drive
Norfolk, VA 23507

www.sentara.com

December 1, 2005

U.S. Nuclear Regulatory Commission
Region I Office, Division of NMSS
Attn: Materials Licensing
475 Allendale Road
King of Prussia, PA 19406

B. 1

To whom it may concern,

This is to inform you that Doctors Disantis, Hughes, Kuban, Goffman, Giri, Sandhu and Tan are no longer working under this license, 45-11035-01. 03003349

Please note we have added Wen-Jong Wang who was recently on license 37-00554-03 as a physicist. We would like to add Demetrios Kazakis, MD as an authorized user for nuclear cardiology under 35.200, unsealed radiopharmaceuticals not requiring a written directive. His Form 313A is attached to this correspondence. These credentials have been reviewed and approved by our Radiation Safety Committee.

Documentation is attached to show that Adco Services, Inc removed the 3M Model 6D6C cesium-137 source from our facility on July 14, 2005. Please amend our license to remove this line item.

We would also like to name as our new Radiation Safety Officer Sandy Wolff, currently RSO on license 45-00131-02. For more information, please do not hesitate to contact her at (757) 388-3030 or page her at (888) 341-5703.

Sincerely,



Robert W. Hoefler
Vice President, Operations
Sentara Virginia Beach General Hospital

138092
NMSS/RGNI MATERIALS-002

**SENTARA.**

Sentara Virginia Beach General Hospital
1060 First Colonial Road
Virginia Beach, Virginia 23454

www.sentara.com

Ricardo de la Torre, M.D.
Director Nuclear Medicine
Department of Radiology

Sept 8, 2005

RE: NRC License #45-11035-01

To Whom It May Concern:

This letter is to confirm that Dr. D James Kazakis has gained clinical experience at our institution in Nuclear Cardiology. After completing his cardiology fellowship in July, 1994 at the University of Florida in Gainesville, Florida he has actively participated in clinical procedures for 10 years in the Nuclear Cardiology Laboratory at Sentara Virginia Beach General Hospital.

His experience includes at least:

3000 Myocardial Perfusion stress/rest scans
2000 Tc-99 Sestamibi SPECT studies
1000 Gated SPECT studies
1000 Myocardial Perfusion studies using pharmacologic stress

During this time Dr. Kazakis acquired experience with the technical and administrative procedures of our facility and with general operations as stipulated by our license conditions. His experience exceeds 750 hours of clinical training and 750 hours of technical experience. He is a Board certified cardiologist and is Level III trained in echocardiography. Based on his performance in our hospital, he would be highly recommended.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ricardo de la Torre'.

Ricardo de la Torre, M.D.
Director of Nuclear Medicine

RD/ch

TRAINING AND EXPERIENCE AND PRECEPTOR STATEMENT

PART I -- TRAINING AND EXPERIENCE

Note: 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)

Demetrios James Kazakis, MD

2. For Physicians, Podiatrists, Dentists, Pharmacists – State or Territory Where Licensed

Virginia

3. CERTIFICATION

Specialty Board	Category	Month and Year Certified
American Board of Internal Medicine	Cardiovascular Disease	1995

Stop here when using Board Certification to meet 10 CFR Part 35 training and experience requirements.

4. DIDACTIC OR CLASSROOM AND LABORATORY TRAINING (optional for Medical Physicists)

Description of Training	Location	Clock Hours	Dates of Training
Radiation Physics and Instrumentation	University Of Florida Gainesville, FL	200	1994
Radiation Protection	University Of Florida Gainesville, FL	200	1994
Mathematics Pertaining to the Use and Measurement of Radioactivity	University Of Florida Gainesville, FL	200	1994
Radiation Biology	University Of Florida Gainesville, FL	200	1994
Chemistry of Byproduct Material for Medical Use	University Of Florida Gainesville, FL	200	1994
OTHER			

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
Nuclear Cardiology	Ricardo de la Torre, MD	SVBGH 45-11035-01	1995-2005

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
99mTc, 201Tl	Nuclear Cardiology	7000	Ricardo de la Torre, MD	SVBGH 45-11035-01	1995-2005

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 Number	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 WORK EXPERIENCE

- 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 of 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

 Ricardo de la Torre, MD

B. Supervisor is:

- Authorized User Authorized Medical Physicist
 Radiation Safety Officer Authorized Nuclear Pharmacist

C. Supervisor meets requirements of Part 35, Section(s) 190, 290, 390

for medical uses in Part 35, Section(s) 100, 200, 300

D. Address

Sentara Virginia Beach General Hospital
 1060 First Colonial Road
 Virginia Beach, VA 23454

E. Materials License Number

 45-11035-01

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
 N/A 10 CFR 35.980 and is competent to independently operate a nuclear pharmacy.

YES 11a. The individual named in Item 1 has satisfactorily completed the requirements in Part 35, Section(s)
 N/A and Paragraph(s) 190, 290.

YES 11b. The individual named in Item 1. is competent to independently function as an authorized
 N/A user _____ for diagnostic cardiology uses (or units).

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 35.190, 35.290, 35.390
or equivalent Agreement State requirements to be a preceptor authorized user
for the following uses (or units) of byproduct material: 100, 200, 300

A. Address

Sentara Virginia Beach General Hospital
1060 First Colonial Road
Virginia Beach, VA 23454

B. Materials License Number

45-11035-01

C. NAME OF PRECEPTOR (print clearly)
Ricardo de la Torre, MD

D. SIGNATURE - PRECEPTOR



E. DATE

10-21-05

Certificate of Completion
Authorized User Classroom and Laboratory
Training Program

D. James Kazakis, M.D.

has successfully completed 80 hours of classroom and laboratory training that included:

Corscan™
The Nuclear Imaging Company
www.corscanplus.com

Radiation physics and instrumentation; Radiation protection; Mathematics pertaining to the use and measurement of radioactivity; Chemistry of byproduct material for medical use; Radiation biology; Generator elution; Review of regulations regarding the medical use of radioisotopes and performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of survey meters;

Steven W. Walter, MD

August 1, 2005

Steven W. Walter, MD
Program Director
General Manager and CEO
CorScan Plus
910-246-0434
Authorized User NRC License No. 32-31038-01

Date

THE
 AMERICAN BOARD OF INTERNAL MEDICINE
INCORPORATED 1936
 ATTESTS THAT

Demetrios James Kazakis

HAS MET THE REQUIREMENTS OF THIS BOARD AND IS HEREBY
 CERTIFIED FOR THE PERIOD 1995 THROUGH 2005
 AS A DIPLOMATE IN
 CARDIOVASCULAR DISEASE



James P. Kurio
SECRETARY

Douglas P. Zipes
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Robert O. Bonar

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John A. DeBorja
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Anthony DeLlavia

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Paul A. Kelly
VICE CHAIRMAN

Brian A. Hunt

Joseph ...

Richard A. ...

1995

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF HEALTH PROFESSIONS

Current Active - Medicine & Surgery
Number: 0101051280
Issued: 08/01/1994
Expires: 07/31/2006

Demetrios J. Kazakis, MD
5700 CLEVELAND STREET
STE 228
Virginia Beach VA 23462

Written Notification of Change of
Address Required Within 30 Days of
Change

*Name Change Request Must be
Accompanied by a Photocopy of
Marriage License or Court Order

For Name*/Address Changes, Mail to:
Department of Health Professions
c/o Board of Medicine
6603 West Broad Street, 5th Floor
Richmond, VA 23230-1712

My New Name* is: _____
My New Address is: _____
City, State Zip Code _____
Signature (0101051280) _____

DO NOT WRITE IN THESE SPACES

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**

Demetrios J. Kazakis, MD

Issued
08/01/1994

Expires
07/31/2006

Number
0101051280

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

FORM 540 UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER		ADCO SERVICES, INC. 5. SHIPPER - Name and Facility SENTARA VA BEACH FOR THE ACCOUNT OF ADCO SERVICES, INC. 1080 FIRST COLONIAL ROAD VIRGINIA BEACH, VA 23464		SHIPMENT ID NUMBER 61072		7. FORM 540 AND 540A PAGE 1 OF 1 PAGE(S) FORM 541 AND 541A 1 PAGE(S) FORM 542 AND 542A None PAGE(S) ADDITIONAL INFORMATION None PAGE(S)		8. MANIFEST NUMBER (Use this number on all continuation pages) 05-0265 S									
1. EMERGENCY TELEPHONE NUMBER (Include Area Code) 888-341-5703		SC PERMIT NA		SHIPMENT NUMBER 05-0265 S		<input checked="" type="checkbox"/> COLLECTOR <input type="checkbox"/> PROCESSOR <input checked="" type="checkbox"/> GENERATOR TYPE (Specify) M		9. CONSIGNEE - Name and Facility Address ADCO SERVICES, INC. 17650 DUVAN DRIVE TINLEY PARK, IL 604771									
ORGANIZATION SENTARA		CONTACT SANDY WOLFF		TELEPHONE NUMBER (Include Area Code) 888-341-5703		CONTACT LEN WARBIANY/FACILITY MGR		TELEPHONE NUMBER (Include Area Code) 800-282-2326									
2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST =====> 2		6. CARRIER - Name and Address ADCON EXPRESS, INC. 17650 DUVAN DRIVE TINLEY PARK, IL 60477		EPA ID NUMBER IL D 047297364		SIGNATURE - Authorized consignee acknowledging waste receipt 									
4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If "Yes," provide Manifest Number =====>		EPA MANIFEST NUMBER NONE REQUIRED		CONTACT BOB BASSETT		TELEPHONE NUMBER (Include Area Code) 708-428-2013		DATE 7-14-05									
11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)		12. DOT LABEL "RADIOACTIVE"		13. TRANSPORT INDEX		14. PHYSICAL AND CHEMICAL FORM		15. INDIVIDUAL RADIONUCLIDES		16. TOTAL PACKAGE ACTIVITY MBq mCi		17. LSA/SCO CLASS		18. TOTAL WEIGHT OR VOLUME (Use appropriate units)		19. IDENTIFICATION NUMBER OF PACKAGE	
Radioactive material, Type A Package, 7., UN 2915		yellow 1				Solid SEALED SOURCE		Cs-137		3.2375E+03 8.7500E+01		NA		25. LBS; 1.4 FT3		05-0265-01	
Radioactive material, Type A Package, 7., UN 2915		white 1 MA				Solid SEALED SOURCES		Ba-133 Co-57 Co-60 Cs-137		5.7081E+00 1.8130E-01		NA		100. LBS; 7.5 FT3		05-0265-02	
FOR CONSIGNEE USE ONLY		20. Check appropriate items. <input checked="" type="checkbox"/> Customer represents and warrants that all data set forth in this Uniform Low-Level Radioactive Manifest is true and correct in all respects. <input type="checkbox"/> Packages listed as "Limited Quantity of Radioactive Material" on this manifest conform to the conditions and limitations specified in 49 CFR 173.421 for radioactive material, excepted package limited quantity of material UN2910 <input type="checkbox"/> Packages listed as "NON-REGULATED MATERIAL" on this manifest are classified in accordance with 49 CFR 173.403 (Definition of Radioactive Material). These Materials must still be disposed of at a licensed facility. PLACARDS TENDERED _____ YES _____ NO															

FORM 541 **ADCO SERVICES, INC.**

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

1. MANIFEST TOTALS		SPECIAL NUCLEAR MATERIAL (grams)				2. MANIFEST NUMBER 05-0265 S	
		U-233	U-235	Pu	TOTAL		
2	g	0.2520	56.6990			NP	3. PAGE 1 OF 1 PAGE(S)
	kg	8.9000	125.0000				
ACTIVITY		3. SHIPPER NAME SENTARA VA BEACH/FOR THE		4. SHIPPER NAME		SHIPMENT ID NUMBER 61072	
SOURCE		5. CONTAINER IDENTIFICATION NUMBER / SC PERMIT		6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)			
	ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	(kgs)	NA
MBq	3.2442E+03	NP	NP	NP	NP	(lbs)	NA
mCi	8.7881E+01	NP	NP	NP	NP		

DISPOSAL CONTAINER DESCRIPTION				WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										16. WASTE CLASSIFICATION AS Class A Stable AU-Class A Unstable B-Class B C-Class C		
5.	6.	7.	8.	9.	10. SURFACE CONTAMINATION MBq/100 cm ² dpm/100 cm ²		11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (FT ³)		13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3 & Note 3A)	14. CHEMICAL DESCRIPTION CHEMICAL FORM CHELATING AGENT		15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT			
					ALPHA	BETA-GAMMA		12a	12b		14a	14b	15a. RADIONUCLIDES			
05-0265-01/1000 FIRST COLONIAL ROAD VIRGINIA BEACH, VA 23454	4	0.0386	11.3398	0.5	NP	NP	35-H	0.0386	100		SEALED SOURCE/IN	0.00	Cs-137 Subtotal Total	3.2375E+03 3.2375E+03 3.2375E+03	8.7500E+01 8.7500E+01 8.7500E+01	AU
		1.4080	25.0000	5.0	NP	NP		1.4080				0.00				
05-0265-02/1000 FIRST COLONIAL ROAD VIRGINIA BEACH, VA 23454	4	0.2124	46.3582		NP	NP	38-H	0.2124	100		SEALED SOURCE/IN	0.00	Ba-133 Co-57 Co-57 Co-57 Co-57	1.1100E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00	3.0000E-02 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00	AU
		7.5080	188.0000		NP	NP		7.5080				0.00	Co-57 Co-57 Co-57 Co-57 Co-60	0.0000E+00 0.0000E+00 0.0000E+00 9.2500E-01 1.1100E-01 7.4000E-02	3.0000E+00 0.0000E+00 0.0000E+00 2.5000E-02 3.0000E-03 2.0000E-03	
Shipment Totals		0.2920	56.6990										Cs-137 Cs-137 Cs-137 Subtotal Total	1.0819E+00 3.3707E+00 5.5500E-02 6.7081E+00 6.7081E+00	2.8700E-02 9.1100E-02 1.5000E-03 1.8130E-01 1.8130E-01	
		8.9000	125.0000										Total Total	3.2442E+03 6.7081E+00	8.7881E+01 1.8130E-01	

NOTE 1: Container Description Codes. For containers/waste requiring disposal in approved structure overpacks the numerical code must be followed by "OP."

1. Wooden Box or Crate	9. Demurrer
2. Metal Box	10. Gas Cylinder
3. Plastic Drum or Pail	11. Buil, Unpackaged Waste
4. Metal Drum or Pail	12. Unpackaged Components
5. Metal Tank or Liner	13. High Integrity Container
6. Concrete Tank or Liner	19. Other Describe in Item 6, or additional page.
7. Polyethylene Tank or Liner	
8. Fiberglass Tank or Liner	

Note 1A: Barnwell Specific Container Description Codes. (Choose one code as may be applicable.)

A High Integrity Container - Poly
B High Integrity Container - Poly with Steel Shell
C High Integrity Drum/Overpack - Poly
D High Integrity Container - Stainless Steel
E High Integrity Container - Fiberglass
F Liner - Steel

NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal	29. Demolition Rubble	38. Evaporator Bottoms/Sludges/Condensates
21. Incinerator Ash	30. Carbon Ion-exchange Media	39. Compressible Trash
22. Soil	31. Anion Ion-exchange Media	40. Noncompressible Trash
23. Gas	32. Mixed Bed Ion-exchange Media	41. Animal Carcass
24. Oil	33. Contaminated Equipment	42. Biological Material (except animal carcasses)
25. Aqueous Liquid	34. Organic Liquid (except oil)	43. Activated Material
26. Filter Media	35. Glassware or Labware	58. Other: Describe in Item 11, or additional page
27. Mechanical Filter	36. Sealed Source/Device	
28. EPA or State Hazardous	37. Paint or Plating	

Note 2A: Barnwell Specific Waste Descriptor Codes. (Choose all applicable codes.)

G. Depleted
H. Solid
I. Non-combustible
J. Non-combustible
K. Air Filtration Filters
L. Asbestos

Note 3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media requiring disposal site structural stability requirements, the numerical code must be followed by "S" and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

84. Vinyl Ester Styrene
91. Concrete (encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Other Describe in Item 13, or additional page
99. Other Describe in Item 13, or additional page
100. None Required

Note 3A: Barnwell Specific Solidification and Stabilization Media Codes. (Choose the code if applicable)

M. Wax Binder

FORM 541 (10-88)

This is to acknowledge the receipt of your letter/application dated

12/11/2005, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment 45-11035-01 There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 138092.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.