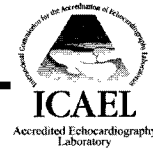




Cardiovascular Associates, P.C.

OSWALD BOSTIC, B.S.C., M.D., F.R.C.P., (C)
JUAN C. ROJAS, M.D.
LUIS E. OSTERBERGER, M.D.
VIJAY KUDESIA, M.D., F.A.C.C.
LEANDRO PEREZ SEGURA, M.D.



27177 LAHSER ROAD, SUITE 103
SOUTHFIELD, MICHIGAN 48034
TELEPHONE: (248) 357-1360
FAX: (248) 357-1745

14049 E. 13 MILE ROAD, SUITE 1
WARREN, MICHIGAN 48088
TELEPHONE: (586) 415-0100
FAX: (586) 415-0108

August 3, 2012

UNITED STATES NUCLEAR REGULATORY COMMISSION
Region III, Materials Licensing Section
2443 Warrenville Road
Suite 210
Lisle, IL 60532-4352

Re: Amendment for NRC License: 21-15166-01
Add Authorized User Physician
Remove 10 CFR 35.500

Dear Sir/Madam:

Please amend our NRC license for the following items:

ITEM #1

Please add Leandro Perez Segura, M.D. as an authorized user physician for 10 CFR 100 and 200 to our NRC license.

Dr. Leandro Perez Segura's board certification in Nuclear Cardiology is enclosed.

ITEM #2

Please remove Syed A. Mahmood, M.D. as an authorized user physician from our NRC license as he is no longer with our facility.

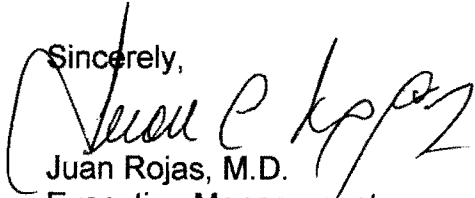
ITEM #3

Please remove 10 CFR 35.500 Gadolinium-153 from our NRC license. We never utilized these sources; they were held in storage while at our facility. We no longer possess these sources. They were properly collected by a waste disposal company (Adco Services) in 2006. The waste manifest is enclosed for your review.

RECEIVED AUG 21 2012

If you have any questions or require additional information please contact our Radiation Safety Officer, Cari Dzanbazoff, at (734) 662-3197 or e-mail cdz_mpc@comcast.net.

Sincerely,

A handwritten signature in black ink, appearing to read 'Juan Rojas', written over the printed name.

Juan Rojas, M.D.
Executive Management
Cardiovascular Associates, P.C.

Certification Board of Nuclear Cardiology

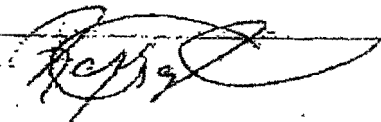
Incorporated 1996

Certifies that

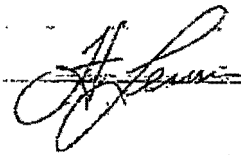
Leandro Perez Segura, MD

HAVING MET THE REQUIREMENTS PRESCRIBED BY THIS BOARD
FOR PHYSICIANS TRAINED IN THE UNITED STATES
AND HAVING SATISFACTORILY PASSED THE REQUIRED EXAMINATION,
IS HEREBY DESIGNATED
A DIPLOMATE CERTIFIED IN THE SUBSPECIALTY OF
NUCLEAR CARDIOLOGY

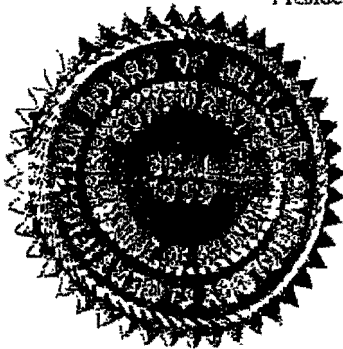
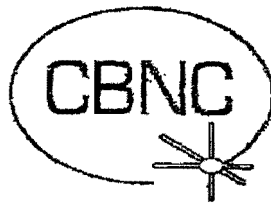
FOR THE PERIOD 2009 - 2019



President



Secretary



CERTIFICATE NUMBER: 7255



Snap off

CARBONLESS FORM 3841

NO CARBON REQUIRED

BILL OF LADING TRIPLICATE

ALTERNATE STRAIGHT BILL OF LADING—SHORT FORM—ORIGINAL—NOT NEGOTIABLE

Name of Carrier: ADCOM EXPRESS, INC.	Carrier's No.	Date 12/29/05	Shipper No. 05-0488 L
TO Consignee: CARDIOVASCULAR ASSOCIATES	FROM Shipper: ADCO SERVICES, INC. 17650 DUVAN DRIVE TINLEY PARK, IL 60477		
Street 21777 LAHSER ROAD STE # 103	Emergency Response Phone No.		
Destination SOUTHFIELD, MI	Zip Code 48094		

Route:	Vehicle No.
--------	-------------

No. Shipping Units	HM	Kind of Package, Description of Articles, Special Marks and Exceptions	Weight (Sub. to Com.)	RATE	✓	CHARGES
1		³⁰ EMPTY 10 GAL PAIL	15#			
1		³⁰ 10 GAL LINER (IND) <i>222</i>	1#			
2		TTL PCS	TTL WT. 16#			

REMIT C.O.D. TO ADDRESS	C.O.D. AMT.	C.O.D. FEE: PREPAID <input type="checkbox"/> \$ COLLECT <input type="checkbox"/>	TOTAL CHARGES: \$
-------------------------	-------------	----------------------------------------------------------------------------------	-------------------

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight".

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ per _____.

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: "The carrier shall not make delivery of this shipment without payment of freight and all other charges."

(Signature of Consignor)

FREIGHT CHARGES
Check Appropriate Box:
 Freight prepaid Collect

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of receipt by the carrier of the property described in the Original Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation.

Shipper, Per _____	Agent, Per _____
--------------------	------------------

Permanent post office address of shipper + Mark with "X" to designate Hazardous Material as defined in Title 49 of Federal Regulations. For further details on TRANSPORTING HAZARDOUS MATERIALS see Federal Regulations 49 CFR, Part 172.

TOPS FORM No. 3841
Printed in the U.S.A.

1

Deane Downell 1-5-06

06-0001 L

FORM 540 UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER		ADCO SERVICES, INC.		5. SHIPPER - NAME AND FACILITY CARDIOVASCULAR ASSOC FOR THE ACCOUNT OF ADCO SERVICES, INC. 4099 LAMBER ROAD SUITE 103 SOUTHFIELD, MI 48034		SHIPMENT I.D. NUMBER 51149		7. FORM 540 AND 540A FORM 541 AND 541A FORM 542 AND 542A ADDITIONAL INFORMATION		8. MANIFEST NUMBER (Use this number on all continuation pages) 06-0001 L	
1. EMERGENCY TELEPHONE NUMBER (Include Area Code) 248-357-2368		SC PERMIT NA		SHIPMENT NUMBER 06-0001 L		X GENERATOR TYPE (Specify) M		9. CONSIGNEE - Name and Facility Address ADCO SERVICES, INC. 17650 DUVAN DRIVE TINLEY PARK, IL 60477		CONTACT LEN WARBIANY/FACILITY MGR TELEPHONE NUMBER (include Area Code) 708-429-1660	
ORGANIZATION CARDIOVASCULAR ASSOC		CONTACT DIANE DORNAL		TELEPHONE NUMBER (Include Area Code) 248-357-5386		EPA I.D. NUMBER ILD 047267384		SIGNATURE - Authorized consignee acknowledging waste receipt		DATE	
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 1		6. CARRIER - Name and Address ADCOM EXPRESS, INC. 17650 DUVAN DRIVE TINLEY PARK, IL 60477		SHIPPING DATE 1/5/06		SIGNATURE - Authorized carrier acknowledging waste receipt <i>Bob Bassett</i>		10. CERTIFICATION This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.	
4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? If "Yes," provide Manifest Number		EPA MANIFEST NUMBER NONE REQUIRED		CONTACT BOB BASSETT		TELEPHONE NUMBER (Include Area Code) 708-429-3013		DATE 1/5/06		AUTHORIZED SIGNATURE <i>Diane Caldwell</i>	
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	
Radioactive material, Type A Package, 7., UN 2915		WHIT I N/A		N/A		Solid INCINERABLE SOURCES		Ba-133 Co-57 Cs-137 Eu-152 Gd-153 I-129		1.8727E+04 5.0813E+02	
										17. LSA/SCO CLASS NA	
										18. TOTAL WEIGHT OR VOLUME (Use appropriate units) 708.25 LBS; 744.1 FT ³	
										19. IDENTIFICATION NUMBER OF PACKAGE 06-0001-01	
FOR CONSIGNEE USE ONLY						20. Check appropriate items: 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.					

FORM 541		ADCO SERVICES, INC.		1. MANIFEST TOTALS						2. MANIFEST NUMBER 06-0001 L	
UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST CONTAINER AND WASTE DESCRIPTION Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste				NUMBER OF PACKAGES/ DISPOSAL CONTAINERS	NET WASTE VOLUME	NET WASTE WEIGHT	SPECIAL NUCLEAR MATERIAL (grams)			TOTAL	
				1	0.0396	11.3398	U-233	U-235	Pu	NP	
				1,400	25.0000	NP	NP	NP	NP		
				ACTIVITY						4. SHIPPER NAME CARDIOVASCULAR ASSOC/FO	
				ALL NUCLIDES	TRITIUM	C-14	Te-99	I-129	SOURCE	SHIPMENT ID NUMBER 61149	
				mBq	NP	NP	NP	1.8741E-03	(kgs) NA		
				mCi	NP	NP	NP	4.3300E-05	(lbs) NA		

DISPOSAL CONTAINER DESCRIPTION				WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										16 WASTE CLASSIFICATION A-Stable AU-Class A U-Unstable B-Class B C-Class C		
5. CONTAINER IDENTIFICATION NUMBER / SC PERMIT	6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)	7. VOLUME (m³) (L)	8. WASTE AND CONTAINER WEIGHT (kg) (lb)	9. SURFACE RADIATION LEVEL (mSv/hr) (mR/hr)	10. SURFACE CONTAMINATION (MBq/100 cm²) (dpm/100 cm²)		11. WASTE DESCRIPTOR (See Note 2 & Note 2A)	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m³) (FT³)		13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3 & Note 3A)	14. CHEMICAL DESCRIPTION		15. RADIOLOGICAL DESCRIPTION			
					ALPHA	BETA-GAMMA		WASTE VOLUME(S) IN CONTAINER (m³) (FT³)	SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3 & Note 3A)		CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT (P<0.1%)	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (mBq) AND CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT			
													RADIONUCLIDES			
													kg	µCi		
06-0001-0121777 LAISER ROAD SUITE 103 SOUTHFIELD, MI 48034	19 TYPE A PACKAGE / 14 CU FT	0.0396	11.3398	0.001	NP	NP	29-59-INCINERABLE DRG WASTE-H	0.0396	100		INCINERABLE SOURCES/MP	8.00	Ba-133	9.7935E+00	2.6470E-01	AU
		1.4000	25.0000	0.4	NP	NP		1.4000					Ba-133	2.8260E-01	7.8000E-03	
													Co-57	2.0350E+02	5.5000E+00	
													Cs-137	3.7000E-02	1.0000E-03	
													Cs-137	3.7074E+00	1.0020E-01	
													Cs-137	3.7000E-02	1.0000E-03	
													Eu-152	9.4017E+00	2.5410E-01	
													Eu-152	1.8500E-03	5.0000E-05	
													Eu-152	1.8500E-02	5.0000E-04	
													Gd-153	9.2500E+03	2.5000E+02	
													I-129	1.0138E-03	2.7400E-05	
													I-129	6.6230E-04	1.7900E-05	
													Subtotal	1.8727E+04	5.0613E+02	
													Total	1.8727E+04	5.0613E+02	
Shipment Totals		0.0396	11.3398											1.8727E+04	5.0613E+02	
		1.4000	25.0000													

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

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

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 predominates by volume.)

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

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

- A Develoired
- H Solid
- I Combustible
- J Non-combustible
- K Air Filtration Fibers
- L Asbestos

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

80. Cement
91. Concrete
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Spylene
99. Other. Describe in Item 13, or additional page.
100. None Required.

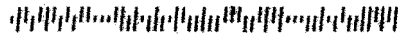
NOTE 2A: Barnwell Specific Solidification and Stabilization Media Codes. (Choose this code if applicable.)

- M Wax Binder



Cardiovascular Associates, P.C.

27177 Lahser Rd.
Ste. 103
Southfield, MI 48034



U.S. Nuclear Regulatory Commission
Region III, Materials Licensing Section
2443 Warrenville Rd.
Suite 210
Lisle, IL 60532-4352