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Diplomates, American Board of Internal Medicine
Diplomates, American Board of Cardiovascular Disease

December 28, 2007

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

Re: Amendment for NRC License
Close out of Shelby Twp. Location: 8180 26 Mile Road, Suite 101

Dear Sir/Madam:

We currently have an amendment request in the possession of the NRC to change our licensee mailing address and to add a location of radioactive material use.

In addition to the amendment request in process, please amend our NRC license to remove the following location of radioactive use. Due to patient care issues, we ask that you expedite this request.

**8180 26 Mile Road
Suite 101
Shelby Twp. MI 48316**

The results of the close-out are enclosed for your review.

If you have any questions or require additional information please contact our Medical Physics Consultants, Cari Dzanbazoff, at (734) 662-3197.

Sincerely,

Armando C. Madrazo, M.D.
Executive Management
Cardiovascular Consultants, P.C.

RECEIVED JAN 10 2008

Close-out Survey Information

Close-out Location:

Cardiovascular Consultants, P.C.
8180 26 Mile Road
Suite 101
Shelby Twp, MI 48316

Date Performed: December 20, 2007

Performed By: Cari Dzanbazoff, Medical Physics Consultants Inc.

Comments: All equipment and sealed sources were properly transferred to the Schoenherr location. Transfer documents are enclosed.

Instruments:

Wipes for contamination performed with the following well counter:

Manufacturer: Capintec
Model Number: Captus 3000
Serial Number: 900271
Efficiency Factor: 2.5 dpm/cpm

Area survey performed with the following survey meter:

Manufacturer: Ludlum
Type: GM
Model Number: Model 14 C
Serial Number: 186676
Probe Model: End Window
Calibration Date: 02/13/07

Battery check acceptable:	<u>YES</u>
Operational check acceptable:	<u>YES</u>
Constancy check acceptable:	<u>YES</u>
Check source value:	<u>0.5 mR/hr</u>

Radionuclides Used:

Unsealed

Tc-99m, Tl-201

Sealed

Cs-137, Co-57, Ba-133 (leak tests attached)

Visual Check: The area was checked to ensure that all radioactive waste had been removed. No evidence of radioactive material was noted.

Radiation Level Survey: No area within the lab demonstrated radiation levels in excess of the background reading of 0.02 mR/hr.

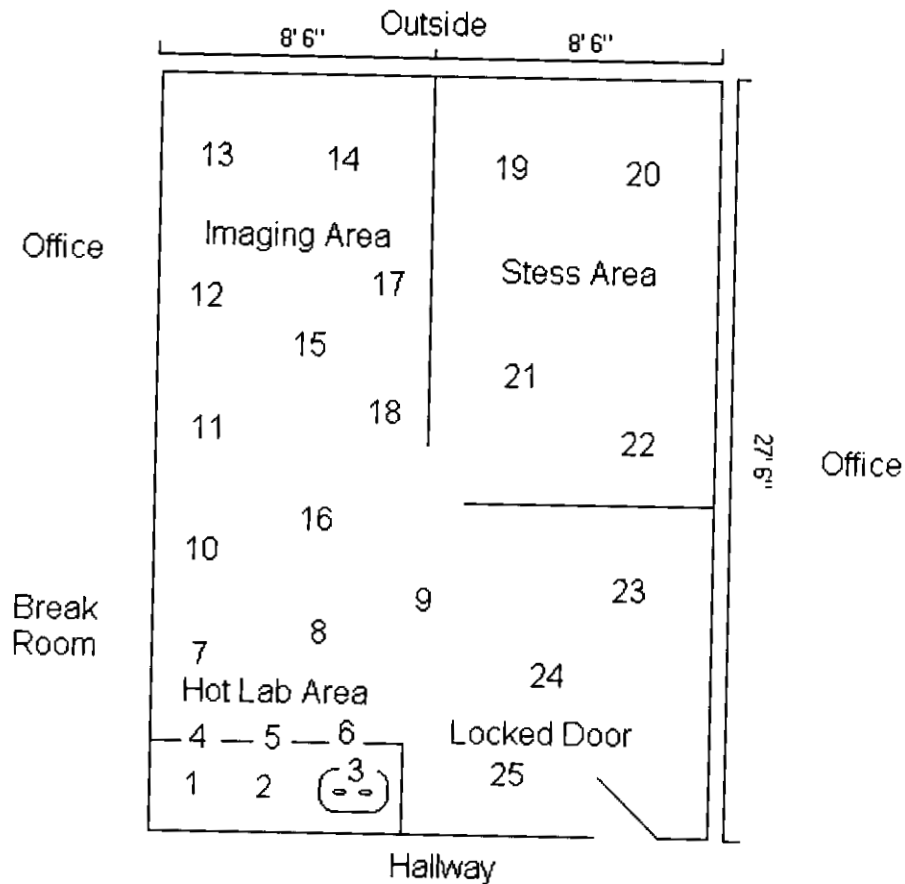
Removable Contamination: No area within the lab demonstrated removable contamination in excess of established trigger levels.

Sealed Sources: All sealed sources were properly transferred to the Schoenherr location.

Surveys, Wipes, and Diagrams are enclosed for review.

CLOSEOUT DIAGRAM

**CARDIOVASCULAR CONSULTANTS, P.C.
8180 26 MILE ROAD
SUITE 101
SHELBY TWP, MI 48316**



Single Story Location

**Survey and Wipe Results Attached
Sealed Source Leak Test Attached**

**Cardiovascular Consultants, P.C. - 8180 26 Mile Road, Suite 101, Shelby Twp, MI
License # 21-32102-01**

Performed By: Cari Dzanbazoff

Well Counter: Capintec
Model: Captus 3000
Serial Number: 900271

[illegible]

Efficiency Factor = 2.5 dpm/cpm
Full Spectrum

COMMENTS: No evidence of removable contamination.

Sealed Source Inventory

Licensee: Cardiovascular Consultants (Shelby Twp)

Date: 10/31/07

Performed by: Cari Dzanbazoff

Nuclide	Type	Calibration		Location	M/N	S/N
		Activity	Date			
Cs-137	Vial	206.1 uCi	10/01/02	Hot Lab	IPL	934-57-24
Current Activity: 183.3 uCi						
Cs-137	Rod	0.5 uCi	08/01/02	Hot Lab	IPL	854-47-1
Current Activity: 0.443 uCi						
Ba-133	Vial	266.9 uCi	11/01/02	Hot Lab	IPL	956-10-10
Current Activity: 192.1 uCi						
Co-57	Flood	10 mCi	06/01/06	Img Rm	NES849610M	1185-058
Current Activity: 2.675 mCi						

SEALED SOURCE AMBIENT EXPOSURE SURVEY

Meter: LUDLUM GM

Max Reading 0.04 mR/hr

RADIATION SAFETY OFFICER: _____

Medical Physics Consultants, Inc.

Sealed Source Leak Test

Licensee: Cardiovascular Consultants (Shelby Twp)

Date: 10/31/07

Performed by: Cari Dzanbazoff

Nuclide	Type	Calibration Activity	Calibration Date	Location	M/N	S/N
Cs-137	Vial	206.1 uCi	10/01/02	Hot Lab	IPL	934-57-24
Ba-133	Vial	266.9 uCi	11/01/02	Hot Lab	IPL	958-10-10
Co-57	Flood	10 mCi	06/01/06	Img Rm	NES849610M	1185-058

Comment: The sources listed above were leak tested using a dry wipe technique and were found to have less than 0.005 uCi removable activity. The following Minimum Detectable Activities are based upon a background at the indicated value. Background was at or below these levels when the above tests were completed.

Well Counter: Captus 3000

Nuclide

MDA

Background

Cs-137

2.0×10^{-4} uCi

145 counts/1 min

Ba-133

8.8×10^{-5} uCi

204 counts/1 min

Co-57

1.7×10^{-5} uCi

53 counts/1 min

RADIATION SAFETY OFFICER: _____

**PACKING LIST
TRANSFER SHIPMENT OF SEALED SOURCE(S)**

**FROM: Cardiovascular Consultants, P.C.
Attn: Nuclear Medicine Dept.
8180 26 Mile Road
Shelby Twp., MI 48316**

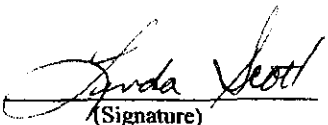
**To: Cardiovascular Consultants, P.C.
Attn: Nuclear Medicine Dept.
37771 Schoenherr
Sterling Heights, MI 48312**

<i>Co-57 Flood Source</i>		
Activity of source at shipment: <u>239</u> mCi		
Manufacturer of source: <u>New England Nuclear</u>		
Model number: <u>847610M</u>		
Serial number(s): <u>1185-058</u>		
Label activity shown on source: <u>10</u> mCi		
Date shown on source: <u>6/1/06</u>		
Date last leak tested: <u>10-31-07</u>		
Method of leak test: <u>wipe test</u> Other: (check one, if other Is checked please explain on the other side of this page.)		
Result less than 5mCi? <u>YES</u>		
Certified by:		
<u>CHIEF TECH</u> (Title)	<u>Linda Scott</u> (Signature)	<u>LINDA SCOTT</u> (Print Name)
Daytime Phone#: <u>586-292-8247</u> Date: <u>12-12-07</u>		

**PACKING LIST
TRANSFER SHIPMENT OF SEALED SOURCE(S)**

**FROM: Cardiovascular Consultants, P.C.
Attn: Nuclear Medicine Dept.
8180 26 Mile Road
Shelby Twp., MI 48316**

**To: Cardiovascular Consultants, P.C.
Attn: Nuclear Medicine Dept.
37771 Schoenherr
Sterling Heights, MI 48312**

<i>B8-133 Dose Calibrator Vial</i>		
Activity of source at shipment:	<u>0.19057</u>	mCi
Manufacturer of source:	<u>LPL</u>	
Model number:	<u>EU-41</u>	
Serial number(s):	<u>956-10-10</u>	
Label activity shown on source:	<u>0.2669</u>	mCi
Date shown on source:	<u>11/1/02</u>	
Date last leak tested:	<u>10-31-07</u>	
Method of leak test: <u>wipe test</u> Other: (check one, if other Is checked please explain on the other side of this page.)		
Result less than 5mCi ?	<u>YES</u>	
Certified by:		
<u>CHIEF TECH</u> (Title)	 (Signature)	<u>LINDA SCOTT</u> (Print Name)
Daytime Phone# : <u>586-292-8247</u> Date: <u>12-12-07</u>		

PACKING LIST
TRANSFER SHIPMENT OF SEALED SOURCE(S)

FROM: Cardiovascular Consultants, P.C.
Attn: Nuclear Medicine Dept.
8180 26 Mile Road
Shelby Twp., MI 48316

To: Cardiovascular Consultants, P.C.
Attn: Nuclear Medicine Dept.
37771 Schoenherr
Sterling Heights, MI 48312

<i>CS-137 Rad. Calibrator Vial</i>		
Activity of source at shipment:	0,18279 mCi	
Manufacturer of source:	IPL	
Model number:	E vial	
Serial number(s):	934-57-24	
Label activity shown on source:	1.2061 mCi	
Date shown on source:	10/1/02	
Date last leak tested:	10-31-07	
Method of leak test: <u>wipe test</u> Other: (check one, if other Is checked please explain on the other side of this page.)		
Result less than 5mCi ?	Y-E S	
Certified by:		
<i>CHEF TECH</i> (Title)	<i>Linda Scott</i> (Signature)	<i>LINDA SCOTT</i> (Print Name)
Daytime Phone# : <i>586-292-8247</i> Date: <i>12-12-07</i>		

**PACKING LIST
TRANSFER SHIPMENT OF SEALED SOURCE(S)**

**FROM: Cardiovascular Consultants, P.C.
Attn: Nuclear Medicine Dept.
8180 26 Mile Road
Shelby Twp., MI 48316**

**To: Cardiovascular Consultants, P.C.
Attn: Nuclear Medicine Dept.
37771 Schoenherr
Sterling Heights, MI 48312**

<i>CS-137 Rod Source</i>		
Activity of source at shipment:	<u>0.441 uCi</u>	mCi
Manufacturer of source:	<u>1 PL</u>	
Model number:	<u>Rod</u>	
Serial number(s):	<u>854-47-1</u>	
Label activity shown on source:	<u>0.5 uCi</u>	mCi
Date shown on source:	<u>8/1/02</u>	
Date last leak tested:	<u>10-3-07</u>	
Method of leak test: <u>wipe test</u> Other: (check one, if other Is checked please explain on the other side of this page.)		
Result less than 5mCi?	<u>YES</u>	
Certified by:		
<u>CHIEF TECH</u> (Title)	<u><i>Linda Scott</i></u> (Signature)	<u>LINDA SCOTT</u> (Print Name)
Daytime Phone#	<u>586-292-8247</u>	Date: <u>12-12-07</u>

CARDIOVASCULAR
CONSULTANTS P.C.

37771 Schoenherr Rd., Ste 103
Sterling Heights, MI 48312

UNITED STATES NUCLEAR REGULATORY COMMISSION
REGION III, MATERIALS LICENSING SECTION
2443 WARRENVILLE ROAD
SUITE 210
LISKE, IL 60532-4352

From:

FDX G07

FedEx
Ground[®]

Scotch

Bubble Mailer

Sender's Name LINDA SCOTT Phone (586) 274-2450
Company CARDIOVASCULAR CONSULTANTS
Address 37771 SCHOGENHERR
Address SUITE #101
City STERLING HEIGHTS State MI ZIP 48312
To
Recipient's Name NRC Phone 800, 522-3025
Company REGION III MATERIALS LICENSING SECTION
Address 2443 WARRENVILLE ROAD
Address SUITE 210
City LISLE State IL ZIP 60532-4852

From:

Ship Date: 09JAN08
ActWt: 0.35 LB
System#: 9612/P058.40K
Account: S *****

Part # 156297-43

TO NRC REGION 3
Materials Licening Section
2443 WARRENVILLE ROAD
SUITE 210
LISLE, IL 60532

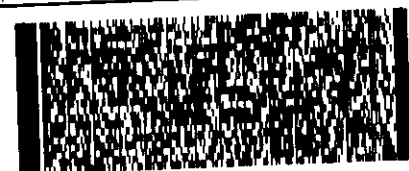
(586) 274-2450
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Ground

(US)



Ref:
Inv:
PO:

Dept:



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(9612019) 4687046 10032528

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