

Premier Cardiovascular Specialists, P.C.

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**July 18, 2016**

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

Re: Amendment for NRC License # 21-32740-01  
Close a Dearborn Location of Use

Dear Sir/Madam:

We would like to amend our NRC license to close the following location of radioactive use on our NRC license:

**15120 Michigan Ave, Suite A**  
**Dearborn, MI 48126**

Please see the enclosed close-out documents, diagram, and sealed source leak test.

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

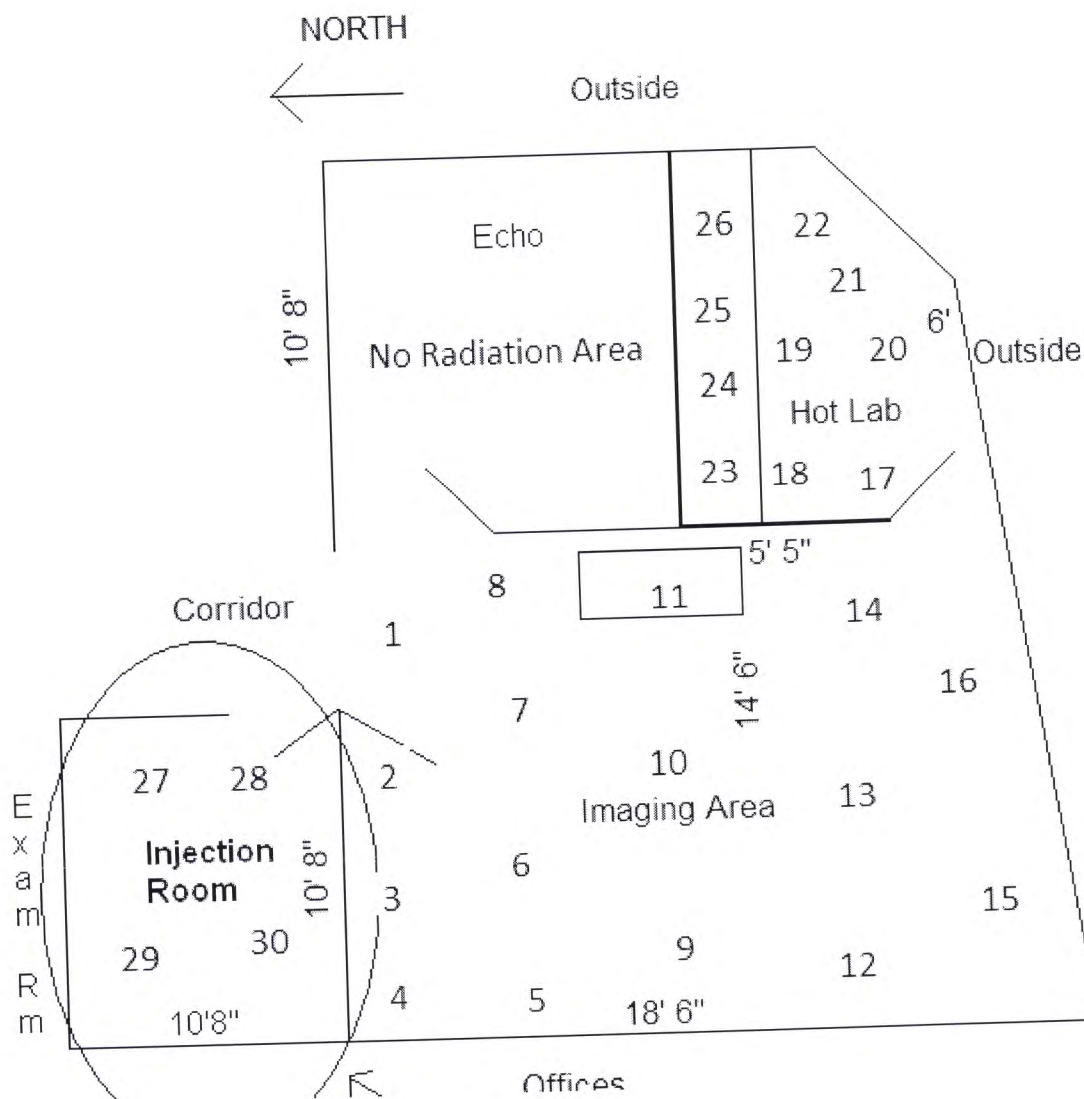
Sincerely,

Kathryn M. Filar, CES  
Executive Management  
Premier Cardiovascular Specialists, P.C.

RECEIVED JUL 29 2016

PREMIER CARDIOVASCULAR SPECIALISTS, P.C.

FACILITY DIAGRAM  
 15120 Michigan Ave, Suite A  
 Dearborn, MI 48126



Single Level Facility  
 Nothing Above  
 Cement Slab Below

**Close-out Survey Information  
Premier Cardiovascular Specialists, P.C  
License # 21-32740-01**

**Close-out Location:**

**PREMIER CARDIOVASCULAR SPECIALISTS, P.C.  
15120 Michigan Ave, Suite A  
Dearborn, MI 48126**

**Date Performed:** June 23, 2016

**Performed By:** Cari Dzanbazoff, Medical Physics Consultants Inc.

**Comments:** Equipment and sealed sources were properly transferred to the new/alternate Dearborn location.

**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 3  
Serial Number: 113520  
Probe Model: Pancake  
Calibration Date: 2/19/16

Battery check acceptable:	<u>YES</u>
Operational check acceptable:	<u>YES</u>
Constancy check acceptable:	<u>YES</u>
Check source value:	<u>3.0 mR/hr</u>

**Radionuclides Used:**

**Unsealed**

Tc-99m

**Sealed**

Cs-137, Co-57, Ba-133 (leak test 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 40 dpm/100 cm sq.

**Sealed Sources:** All sealed sources were properly transferred to the new Plymouth location.

**Surveys, Wipes, and Diagrams are enclosed for review.**







## Sealed Source Inventory

Licensee: Premier Cardiovascular Specialists, P.C.

Date: 06/23/16

Performed by: Cari Dzanbazoff

Nuclide	Type	Location	M/N	S/N	Manufacturer
Ba-133	Vial	Hot Lab	IPL	1159-703	
Calibration Activity:	252 uCi	Calibration Date:	02/01/06	Current Activity	127.1 uCi
Cs-137	Vial	Hot Lab	IPL	1140-96-6	
Calibration Activity:	200 uCi	Calibration Date:	02/01/06	Current Activity	157.3 uCi
Cs-137	Rod	Hot Lab	IPL	1140-82-95	
Calibration Activity:	500 nCi	Calibration Date:	02/01/06	Current Activity	393.2 nCi
Co-57		Hot Lab	MED3727	1811-087	
Calibration Activity:	10 mCi	Calibration Date:	05/01/15	Current Activity	3.424 mCi

### SEALED SOURCE AMBIENT EXPOSURE SURVEY

Meter:

Max Reading

RADIATION SAFETY OFFICER: \_\_\_\_\_





## Sealed Source Leak Test

Licensee: Premier Cardiovascular Specialists, P.C.

Date: 06/23/16

Performed by: Cari Dzanbazoff

Nuclide	Type	Calibration Activity	Calibration Date	Location	M/N	S/N
Ba-133	Vial	252.1 uCi	02/01/06	Hot Lab	IPL	1159-703
Current Activity: 127.1 uCi						
Cs-137	Vial	200 uCi	02/01/06	Hot Lab	IPL	1140-96-6
Current Activity: 157.3 uCi						
Co-57		10 mCi	05/01/15	Hot Lab	MED3727	1811-087
Current Activity: 3.424 mCi						

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	$2.0 \times 10^{-4}$ uCi	145 counts/1 min
Ba-133	$8.8 \times 10^{-5}$ uCi	204 counts/1 min
Co-57	$1.7 \times 10^{-5}$ uCi	53 counts/1 min

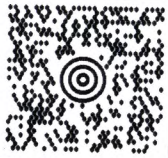
**RADIATION SAFETY OFFICER:** \_\_\_\_\_

PREMIER CARDIOVASCULAR SPECIALISTS  
(313) 824-8417  
THE UPS STORE #5810  
23636 MICHIGAN AVE  
DEARBORN MI 48124-1910

1 LBS 1 OF 1  
SHP WT: 1 LBS  
DATE: 28 JUL 2016

SHIP REGION 111, MATERIALS LIC. SECTION  
TO: U.S.N.R.C.  
STE 210  
2443 WARRENVILLE RD

LISLE IL 60532-4352

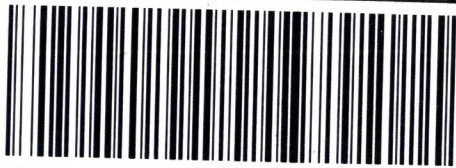


IL 603 9-03




UPS GROUND

TRACKING #: 1Z 3V9 R38 03 1050 1459



BILLING: P/P

ISH 13.00N ZP 450 78.5U 07/2016

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STE 210  
LISLE IL 60532-3673

P: TAN S: IBR 1:1

0107-8025

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SAT 28 JUL 2016 05:43:20  
US 6014 HIPPS 10.3.5 SAT080854