

C O V E R

FAX

S H E E T

To: NRC MATERIALS LICENSE  
Fax #: 630-829-9782  
Subject: LLC- AMENDMENT  
Date: 2/27/07  
Pages: 6 , including this cover sheet.

COMMENTS:

Ray A. Carlson, M.S.  
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Dan L. Marx, M.S.  
Cell: (810) 730-6004

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Vince McCormick, M.S.  
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Radiological Physics Service, Inc.  
3839 Napier Road  
Plymouth, MI 48170

(734) 455-4730  
FAX: (734) 453-8851

**American Diagnostic Medicine  
960 Industrial Drive, Suite 7  
Elmhurst, IL 60126  
(800) 262-9645**

July 27, 2007

U.S. Nuclear Regulatory Commission  
Division of Nuclear Materials Safety  
Region III  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

Dear Sir:

Please amend Byproduct material license no. 12-32597-01 for the following change:

Please delete the facility located at 5799 West Maple Road, Suite 159, West Bloomfield, MI. Enclosed is a copy of the close out survey. All decayed waste was surveyed to background and disposed of properly. This was performed several days after the last use of byproduct material in order to allow enough time for the materials to decay to background. The sealed sources were transferred to Radiological Physics Service (21-26253-01). There were no leaking sources. Enclosed is a copy of the sealed source inventory and the close out survey.

If there are any questions please call me at (734) 455-4730 office or (734) 395-7361 cell.

Sincerely,

  
Ray A. Carlson, M.S., DABR, DABMP  
Radiation Safety Officer

**CLOSE OUT SURVEY**

**Maple Cardiology  
5799 West Maple Road, Suite 159  
West Bloomfield, MI 48322  
License: 12-32597**

**RE: Close out survey of location**

1. Date of Survey: March 23, 2007
2. Diagram of the department and the wipe test results are attached.
3. The survey meter readings were less than 0.02 mR/hr for all areas.
4. The survey meter background reading was 0.02 mR/hr.
5. The survey meter used was a Ludlum 14C (148293) with an end window GM probe. It was last calibrated August 13, 2006.
6. The wipe tests were assayed on an Picker single-channel well counter. The minimum detectable activity for Tc-99m, Tl-201 is 61 dpm at 95% confidence.
7. The survey was performed by Ray A. Carlson, M.S., Medical Physicist from Radiological Physics Service, Inc. (License No.: 21-26253-01).
8. All sealed sources were transferred to Radiological Physics Service, Inc. (NRC license no. 21-26253-01).
9. All waste was decayed to background and disposed of properly.

The location is certified to be free of radioactive material and contamination and may be released for unrestricted use with the approval of the NRC.

All wipe tests were below the 2000 dpm limit and all GM survey meter readings were at background (0.02mR/hr).



**Ray A. Carlson, MS,  
Medical Physicist  
Radiological Physics Service**

**Wipe Test Results**


Maple Cardiology  
5799 West Maple Road, Suite 159  
West Bloomfield, MI 48322  
License: 12-32597

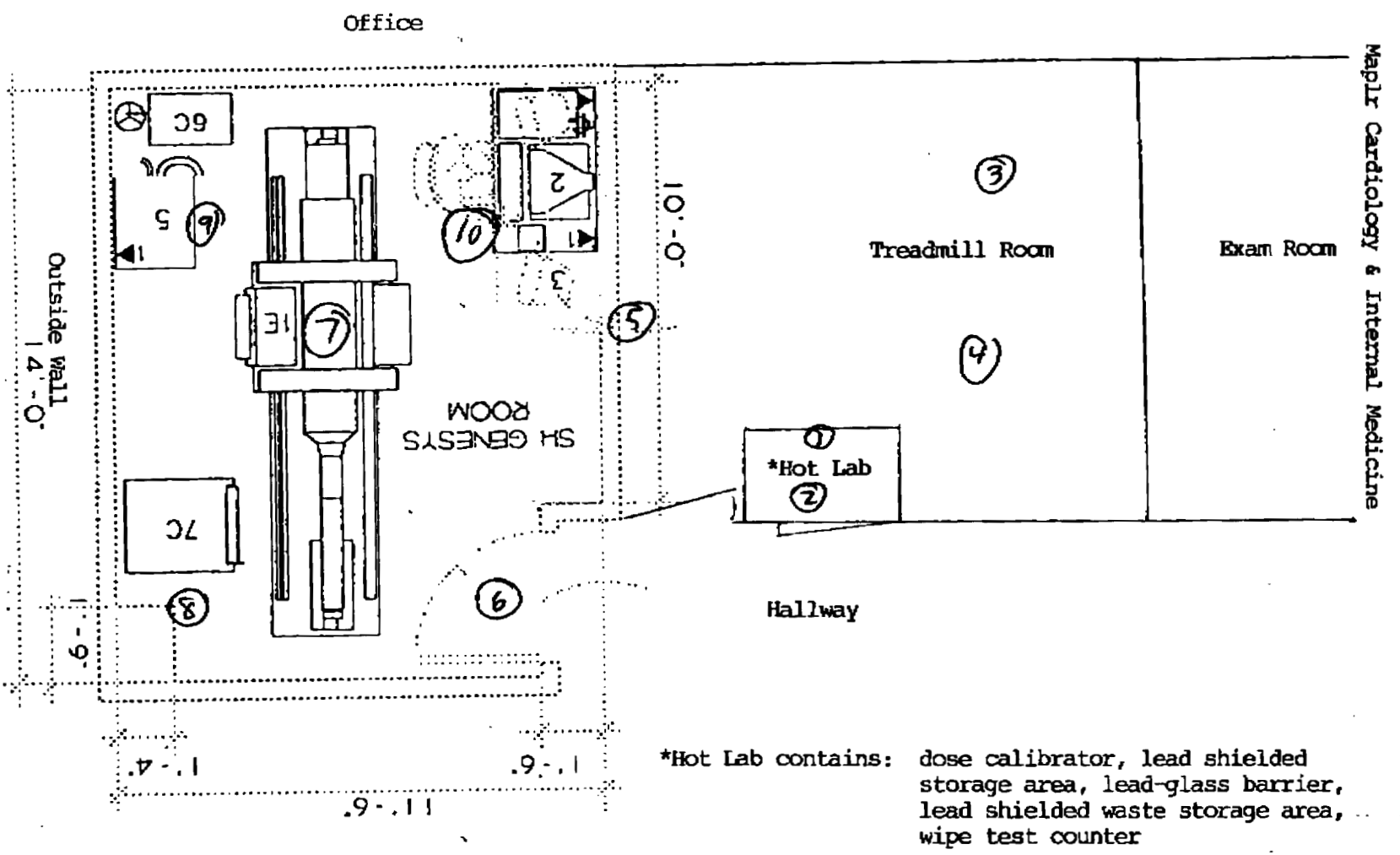
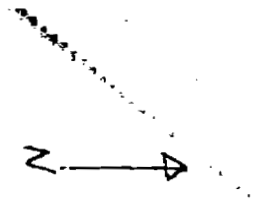
**RE:** Close out survey of location

**Date:** March 23, 2007

Area	CPM	Net CPM	DPM
Background			
1	205	0	0
2	205	0	0
3	205	0	0
4	205	0	0
5	205	0	0
6	205	0	0
7	205	0	0
8	205	0	0
9	205	0	0
10	205	0	0

- All wipes were below the 2000 DPM limit.
- All wipe areas were surveyed with a GM survey meter and all areas recorded less than 0.02 mR/hr. Wipes were then analyzed in a gamma counter.

  
Ray A. Carlson, MS,  
Medical Physicist  
Radiological Physics Service



ALL OF THE EQUIPMENT WAS REMOVED PRIOR TO THE SURVEY.

Location: Maple Cardiology

Date of Inspection: December 15, 2006

### SEALED SOURCE INVENTORY

Nuclide	Type	Location	Calibration Activity	Calibration Date	Mfgr.	M/N	S/N
Ba-133	vial	Hot Lab	276 uCi	03/25/86	NEN	NES-358	3580386A-28
Cs-137	spot	Hot Lab	1 uCi	09/01/01	IPL		1204
Cs-137	vial	Hot Lab	102.1 uCi	01/20/92	Capintec		58117007-02
Co-57	sheet	Hot Lab	10 mCi	12/01/05	IPL	NES-8470	1126-044
Co-57	sheet	Hot Lab	10 mCi	01/01/06	IPL	NES-8400	1153-037

RSO: \_\_\_\_\_

### SEALED SOURCE LEAK TEST

Nuclide	Type	Location	Calibration Activity	Calibration Date	Mfgr.	M/N	S/N
Ba-133	vial	Hot Lab	276 uCi	03/25/86	NEN	NES-358	3580386A-28
Cs-137	vial	Hot Lab	102.1 uCi	01/20/92	Capintec		58117007-02
Co-57	sheet	Hot Lab	10 mCi	12/01/05	IPL	NES-8470	1126-044

COMMENT: *The sources listed above were leak tested using a wipe technique and were found to have less than 0.005 uCi removable activity.*

TESTED BY: Vincent McCormick, M.S.

DATE: December 15, 2006

RSO: \_\_\_\_\_