

**Michael Lala, M.D.  
South Allen Radiology  
P.O. Box 252052  
West Bloomfield, MI 48325-2025**

August 30, 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. 21-24380-01 for the following change:

Please delete the facility located at 17330 Northland Park Court, Southfield, MI. Enclosed is a copy of the close out survey. All decayed waste was surveyed to background and disposed of properly. No patient doses were ever used at this location. The only sources ever used were for the calibration of the gamma camera and the hot lab equipment. 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,

  
Michael Lala, M.D.  
Radiation Safety Officer

**RADIOLOGICAL PHYSICS SERVICE, INC.**  
**3839 NAPIER ROAD - PLYMOUTH, MI 48170**

**(734) 455-4730**

**CLOSE OUT SURVEY**


Northway Medical Center  
17330 Northland Park Court  
Southfield, MI 48075  
License: 21-24380-01

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

**RADIOLOGICAL PHYSICS SERVICE, INC.  
3839 NAPIER ROAD - PLYMOUTH, MI 48170**

**(734) 455-4730**

**Wipe Test Results**


**Northway Medical Center  
17330 Northland Park Court  
Southfield, MI 48075  
License: 21-24380-01**

**RE: Close out survey of location**

**Date: March 23, 2007**

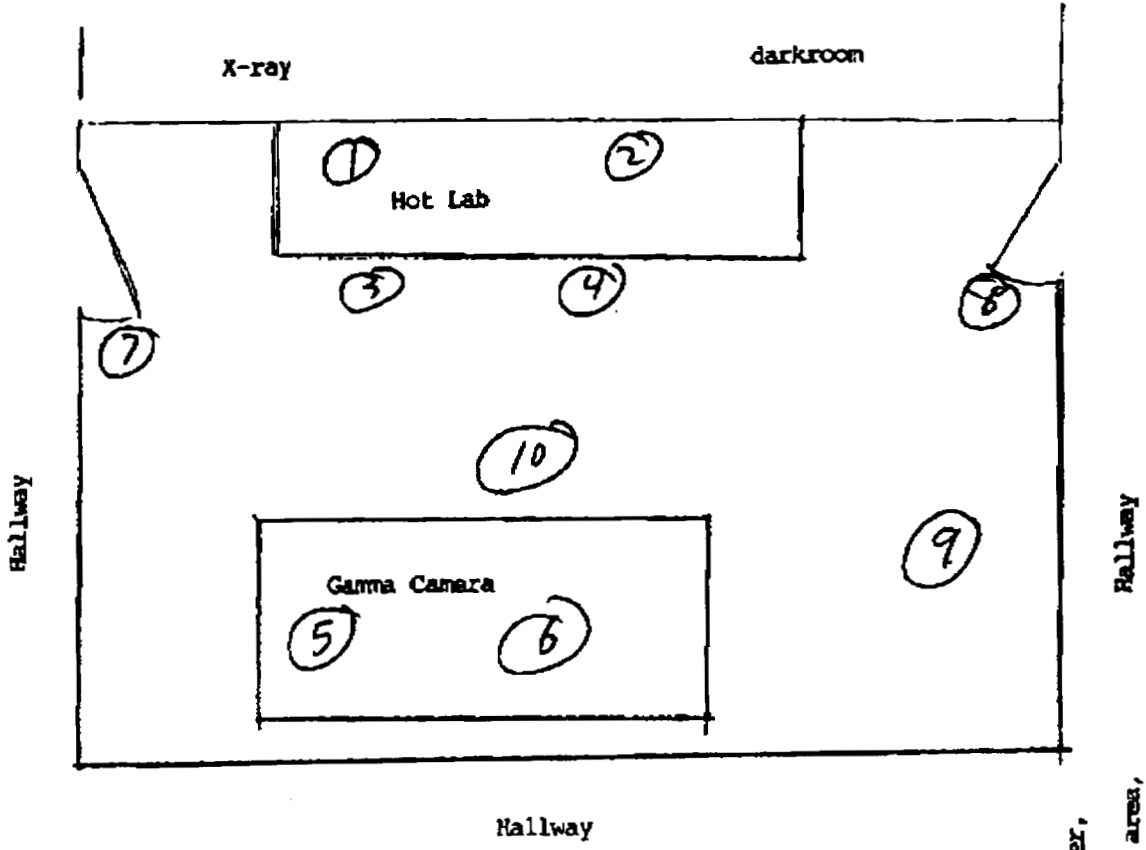
Area	CFM	Net CFM	DPM
Background			
1	220	0	0
2	220	0	0
3	220	0	0
4	220	0	0
5	220	0	0
6	220	0	0
7	220	0	0
8	220	0	0
9	220	0	0
10	220	0	0

- 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**

Northway Medical Center

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Hot Lab contains:  
 dose calibrator, well counter,  
 lead shielded storage area,  
 lead shielded waste storage area,  
 lead-glass barrier.

Location: Northway Medical Center Date of Inspection: March 23, 2007

**SEALED SOURCE INVENTORY**

Nuclide	Type	Location	Calibration Activity	Calibration Date	Mfgr.	N/N	S/N
Cs-137	vial	Hot Lab	253.5 mCi	05/01/81	Amer sham	CDC.VI	3148MA
Ba-133	vial	Hot Lab	270.3 mCi	06/01/81	Amer sham	BCD.VI	2099MA
Cs-137	vial	Hot Lab	201 uCi	09/19/88	DuPont	NES-256	S256009-52
Cs-137	spot	Hot Lab	1 uCi		Nucleus		

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

**SEALED SOURCE LEAK TEST**

Nuclide	Type	Location	Calibration Activity	Calibration Date	Mfgr.	N/N	S/N
Cs-137	vial	Hot Lab	253.5 mCi	05/01/81	Amer sham	CDC.VI	3148MA
Ba-133	vial	Hot Lab	270.3 mCi	06/01/81	Amer sham	BCD.VI	2099MA
Cs-137	vial	Hot Lab	201 uCi	09/19/88	DuPont	NES-256	S256009-52

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: *R. Kelly, MS*

DATE: *3/23/07*

RSO: *[Signature]*