



August 7, 2006

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

Dear Sir,

Enclosed are the close-out survey and wipe test results, additional information to mail control 314872, for Hancock Regional Hospital (NRC license # 13-16730-01).

Radionuclides used in the close-out area are the following:

- 1) Tc99m
- 2) InIII
- 3) Ga67
- 4) I123
- 5) I125 seeds only
- 6) Pd103 seeds only
- 7) I131 capsules only

Date of last I131 capsule usage was May 24, 2002.

Survey meter used for monitoring was Ludlum model 3, last calibration performed on April 24, 2006. The meter is checked daily with the Cs137 source.

Well counter used for wipe measurements was the Captus 500, last calibration on July 27, 2006. The well is tested daily with the Cs137 source.

Enclosed are the following:

- 1) Diagram of the "old" department
- 2) Survey reading keyed to the diagram
- 3) Wipe readings keyed to the diagram
- 4) Leak test results for Cs137 and C057 sources

All testing was performed by Julie Bruner, R.T., CNMT

Sincerely,

A handwritten signature in cursive script that reads 'Lisa Wood'.

Lisa Wood, Team Leader  
Diagnostic Imaging Services & Cardiovascular Services

lw:baw  
Encls.

801 North State St  
Greenfield, IN 46040  
Phone (317) 462-5544

BETTER HEALTH IS RIGHT HERE

RECEIVED AUG 11 2006

**AREA METER SURVEY****Location:** HANCOCK MEMORIAL HOSPITAL**Test Date/Time:** 07/31/2006 07:30**Next Due:** 8/1/06**NUCLEAR MEDICINE**

**Instrument:** GM COUNTER      **Make:** LUDLUM      **Model:** 3  
**Serial#:** 88377      **ID:**  
**Background:** 0.01 mR/Hr      **Instrument check results:** 5.0  
**Test initials:** JMB

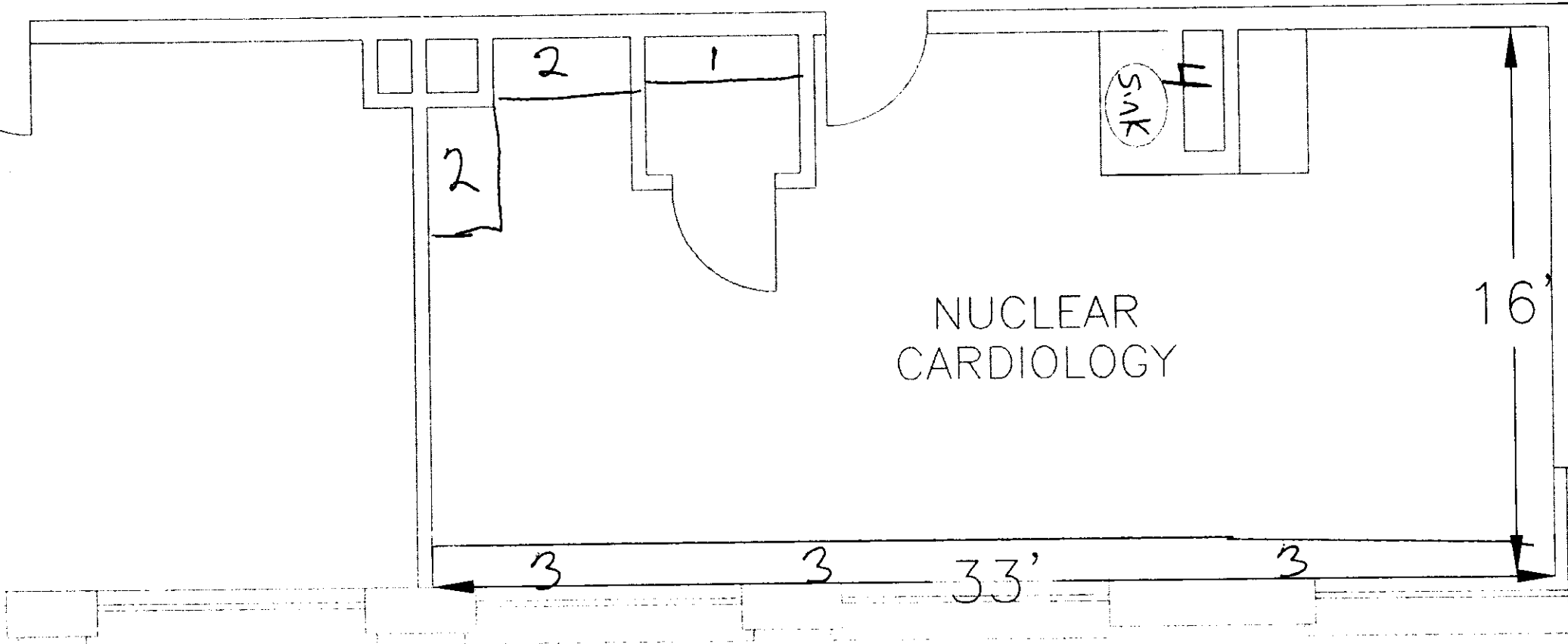
Test Data:		Area Type	Reading mR/Hr	Net results mR/Hr	Action level mR/Hr	Comments
A#	Test location					
1	HOT LAB COUNTER	Restricted	0.03	0.02	1	Hot lab counter and
2	COUNTER TOP	Restricted	0.02	0.01	1	Counter in North end
3	WINDOW SILL CARDIAC	Restricted	0.02	0.01	1	Whole length of
4	SINK COUNTERTOP CARDIAC	Restricted	0.03	0.02	1	

**Comments and Recommendations:**

Close out survey of old Nuclear Medicine Department after cameras and equipment were moved. Floor was surveyed and read .02-.03 mr/hr. Survey meter used was Ludlum Model 3, last calibration was 04/24/2006. Daily checks are also performed on the meter with the Cs137 source.

**Performed by:** Julie Montani-Bruner**Radiation safety officer:**

Hancock Regional Hospital  
Close out Survey  
7-31-2006



DATE Performed - 7-31-06 @ 1600

HANCOCK REGIONAL HOSPITAL

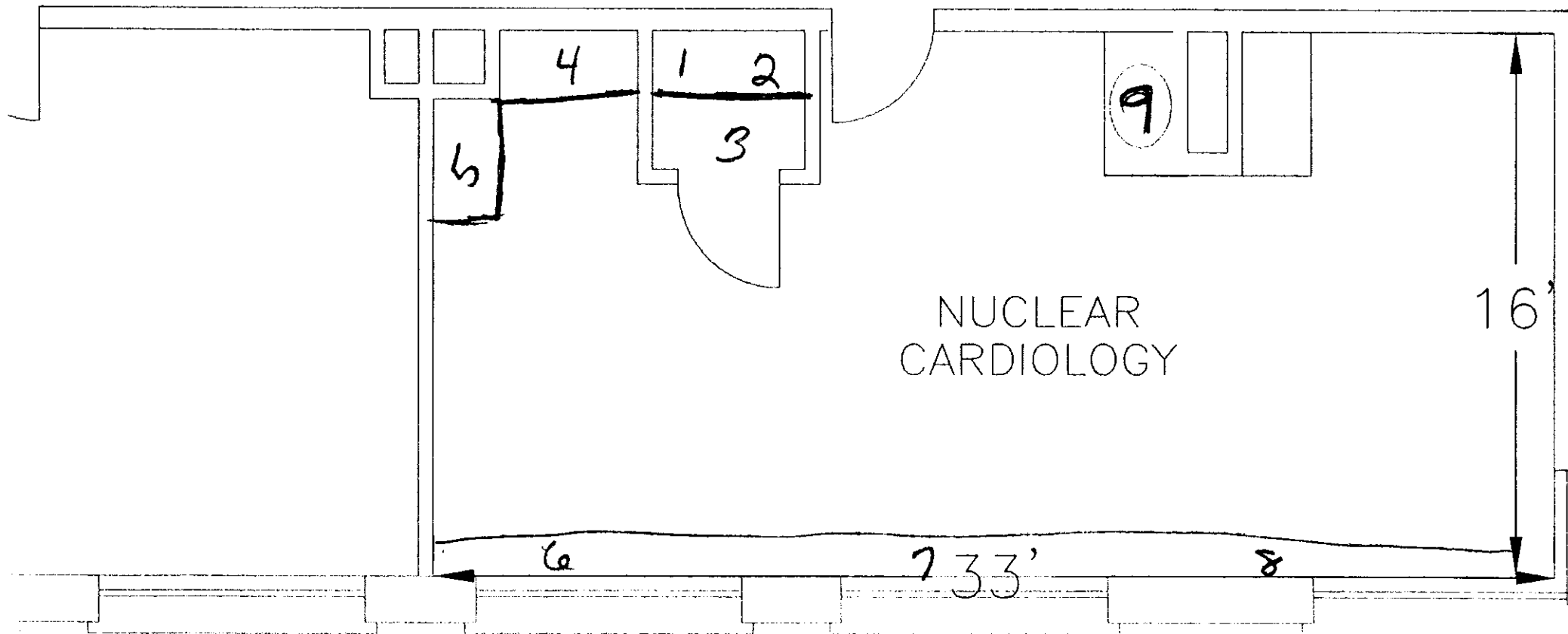
DIAGNOSTIC IMAGING SERVICES

NUCLEAR MEDICINE / NUCLEAR CARDIOLOGY  
DEPARTMENT

CLOSE-OUT WIPE TEST

WORK AREAS - RESTRICTED AREA	TRIGGER LEVEL 200 DPM COUNT
1) HOT LAB COUNTER	-144.1 ± 42.8 dpm
2) HOT LAB COUNTER: FORMER SHIELD SITE	-124.0 ± 43.3 dpm
3) HOT LAB FLOOR	-136.1 ± 43.0 dpm
4) COMPUTER SHELF - EAST	-118.0 ± 43.4 dpm
5) COMPUTER SHELF - NORTH	-156.1 ± 41.8 dpm
6) WINDOW LEDGE - NORTH	-128.0 ± 43.2 dpm
7) WINDOW LEDGE - MIDDLE	-160.1 ± 42.4 dpm
8) WINDOW LEDGE - SOUTH	-148.1 ± 42.7 dpm
9) SINK AND COUNTER	-130.1 ± 43.1 dpm

Hancock Regional Hospital  
Close Out Wipe areas  
7-31-2006



HANCOCK MEMORIAL HOSPITAL

Aug 01, 2006 08:29

CAPTUS - 500 REV 1.24 SN: 000058

S-03 NUC C057 FLOOD  
Counted For 60.0 sec

Trigger Level: 5.0 nCi

CF: 400 - .095  $\pm$  .019 nCi

16 keV

-4.004  $\pm$  8.002 cpm

HANCOCK MEMORIAL HOSPITAL

Aug 01, 2006 08:27

CAPTUS - 500 REV 1.24 SN: 000058

S-01 NUC CS137  
Counted For 60.0 sec

Trigger Level: 5.0 nCi

CF: 400 - .089 ± .020 nCi

14 keV

- .002 ± 8.126 cpm

Hancock Kennel  
Diagn  
801 N. State Street  
Greenfield, IN  
46140



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08/08/2006

Mailed From 46140

US POSTAGE

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