



**Community Health Center of Branch County**  
274 East Chicago Street Coldwater, Michigan 49036  
(517) 279-5416 Radiology (517) 279-5441 fax

### Facsimile Cover Sheet

Date: August 9, 2006

Number of pages, including cover sheet: 5

### PLEASE DELIVER THE FOLLOWING PAGES TO:

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### THIS FAX IS FROM:

Name: Linda Brown

Department: **Radiology**  
Telephone **(517) 279-5416**  
Fax **(517) 279-5441**

### COMMENTS:

attached are the additional  
documents/information you  
requested.  
Control - 315472

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**Close-out survey of "old" Nuclear Medicine Department**

**Community Health Center of Branch County  
274 E. Chicago Street  
Coldwater, MI 49036-2088**

**License No. 21-16642-01**

**Date Performed: May 9, 2006**

**Performed By: Linda Brown, RSO**

**Wipe test analyzed with Captus 3000 sodium iodide well counter with a 50-700 keV window. Efficiency for this energy range is 40% and MDA is 98 dpm. The conversion factor used is 2.5 dpm/cpm.**

**Survey performed with Ludium 14C GM survey meter with End window probe S/N 80914 calibrated on 5/31/05. Range used was 0-0.2 mR/hr.**

**Sealed source leak tests are enclosed for the sources used at this facility.**

**Visual Check**

**The area was checked to ensure that all radioactive waste had been removed. No radioactive material was located. The last dates of use of radioactive material were as follows:**

<b>Tc-99m</b>	<b>04/7/06</b>
<b>Mo-99</b>	<b>April 2004</b>
<b>In<sup>111</sup></b>	<b>January 2004</b>
<b>TL - 201</b>	<b>April 1996</b>
<b>Ga<sup>67</sup></b>	<b>September 2005</b>

**Radiation Level Survey**

**No area within the department demonstrated radiation levels in excess of the background reading of 0.02 mR/hr.**

**Removable Contamination**

**1 minute counts of a wipe sample covering at least a 100 square centimeter area**

**Maximum removable contamination:      61 net cpm x 2.5 dpm/cpm  
=153 net dpm**

**See Enclosures for complete wipe test results and map of areas tested.**

**Conclusion**

As of May 9, 2006, all radioactive materials were removed from the site and no removable contamination was present.

**Ammended report 8/9/06 to include additional radioactive materials**

# **HC** Community Health Center **HC** of Branch County

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274 East Chicago Street  
Coldwater, Michigan 49036-2088  
(517) 279-5400 Fax (517) 279-7140

## **Sealed Source Leak Test**

Addendum Report to original report dated 3/30/06

Community Health Center of Branch County  
274 E. Chicago Street  
Coldwater, MI 49036

License No. 21-16642-01

There has been no history of leaking sealed sources in the 'old" nuclear medicine department.

Radiation Safety Officer:

Linda K. Brown R.S.O.

Date: 03/30/06

Medical Physics Consultants, Inc.

Location: Community Health Center of Branch County**Sealed Source Leak Test**Licensee: Community Health Center of Branch CountyDate: 03/30/06Performed by: Michelle Kritzman

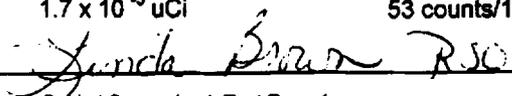
Nuclide	Type	Calibration		Location	M/N	S/N
		Activity	Date			
Cs-137	Vial	108 uCi	06/09/76	Hot Lab	NONE	229-263-30
Co-57	Flood	10 mCi	07/01/04	Hot Lab	NES-8400	7068-090

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: \_\_\_\_\_


  
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