

**Community Health Center of Branch County**

274 East Chicago Street Coldwater, Michigan 49036

(517) 279-5416 Radiology (517) 279-5441 fax

Facsimile Cover SheetDate: August 9, 2006Number of pages, including cover sheet: 5**PLEASE DELIVER THE FOLLOWING PAGES TO:**Name: Bill ReichholdOrganization: USNRCFax Number: 630-829-9872
9782**THIS FAX IS FROM:**Name: Linda BrownDepartment: **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:

Tc-99m	04/7/06
Mo-99	April 2004
In¹¹¹	January 2004
TL ~ 201	April 1996
Ga⁶⁷	September 2005

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

CHC Community Health Center of Branch County

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

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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 Activity	Calibration Date	Location	M/N	S/N
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	2.0×10^{-4} uCi	145 counts/1 min
Ba-133	8.8×10^{-5} uCi	204 counts/1 min
Co-57	1.7×10^{-5} uCi	53 counts/1 min

RADIATION SAFETY OFFICER:


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