

CHC Community Health Center of Branch County

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Coldwater, Michigan 49036-2088
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May 26, 2006

UNITED STATES NUCLEAR REGULATORY COMMISSION
Region III, Materials Licensing Section
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

A
030-11390

Re: Amendment to License No. 21-16642-01
Control Number: 315013

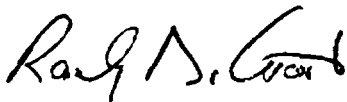
A close-out survey of the old nuclear medicine department was performed on May 9, 2006 and is enclosed for your review.

All radioactive waste and sealed sources were removed from this area and placed in the "new" nuclear medicine department.

Enclosed is a copy of the leak test results for the sealed sources used in the "old" nuclear medicine department.

Thank you for your cooperation with this matter. IF you have any questions please contact our physicist, Michelle Kritzman at (734) 662-3197.

Sincerely,



Randy DeGroot
Chief Executive Officer
Community Health Center of Branch County

315472

REC'D MAY 26 2006

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 tests 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 Ludlum 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

Radiation Level Survey

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

Removable Contamination

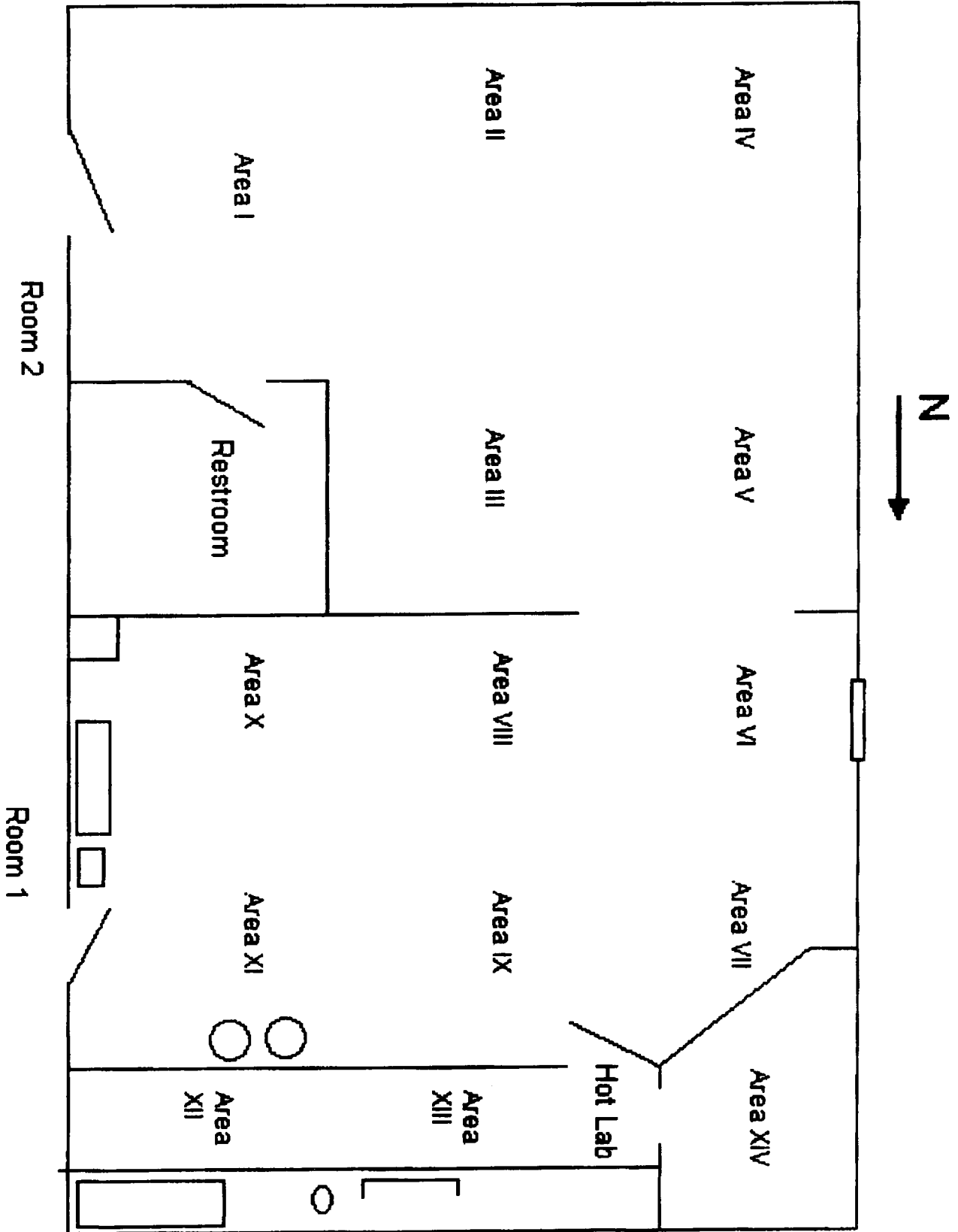
1 minute counts of a wipe sample covering at least a 100 square centimeter area

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.



Community Health Center of Branch County
License No. 11-00000-01, State No. 31863

Date: 5/9/2006

Performed By: Linda Brown, RSO

Survey Meter: Ludlum 14C

Check Value: 7.0 mR/hr

	cpm	net dpm	mR/h
Area I	490	0	0.02
Area II	575	153	0.02
Area III	506	0	0.02
Area IV	495	0	0.02
Area V	520	15	0.02
Area VI	520	15	0.02
Area VII	529	38	0.02
Area VIII	525	28	0.02
Area IX	496	0	0.02
Area X	533	48	0.02
Area XI	510	0	0.02
Area XII	548	85	0.02
Area XIII	532	45	0.02
Area XIV	497	0	0.02
Background	514		0.02

ACTION LEVELS: 2000 dpm

Conversion factor 2.5 dpm/cpm

COMMENTS: No evidence of removable contamination.

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 County

Date: 03/30/06

Performed 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	2.0×10^{-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:

Junda Brown RSO

Date: 03/30/06

Medical Physics Consultants, Inc.

Location: Community Health Center of Branch County**Sealed Source Inventory**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	Vial	5.5 mCi	04/24/95	Hot Lab	NES-206	S206085088
Co-57	Flood	10 mCi	05/28/99	H.L. Stor	NES-8400	S840097901
Co-57	Vial	5.7 mCi	10/28/92	H.L. Stor	NES-206	S206067018
Decayed to Background						
Cs-137	Spot	1 uCi		Eberline		
Cs-137	Spot	1 uCi		Ludlum		
Cs-137	Vial	29.6 uCi	02/22/81	H.L. Stor	NONE	80230281A64
Co-57	Vial	5.3 mCi	09/11/90	H.L. Stor	NES-206	S206049015
Decayed to Background						
Cs-137	Rod	0.5 uCi	04/01/97	Hot Lab		565-25
Co-57	Flood	10 mCi	07/01/04	Hot Lab	NES-8400	7068-090

SEALED SOURCE AMBIENT EXPOSURE SURVEY (10 CFR 35.59h)

Meter:

Max Reading 0.0 mR/hr

RADIATION SAFETY OFFICER:

Linda Brown RSO