



Michigan CardioVascular
Institute

1015 S. Washington Ave.
Saginaw, MI 48601

Toll-free: 1-877-725-MCVI (6284)

Phone: (989) 754-3000
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April 10, 2009

United States Nuclear Regulatory Commission
Region III, Materials Licensing
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

**RE: Amendment to NRC License No. 21-26447-01
State Registration #: 673-4**

Dear Sir/Madam:

The purpose of this letter is to amend our current NRC license to reflect the following changes.

Item #1

Please remove the following location of use from our license:

**3720 Katalin Court
Bay City, MI 48706**

A close-out survey was performed on April 6, 2009 of the above address and is enclosed for your review.

The last date of receipt and use of radioactive material at this site was March 26, 2009. A current copy of the leak test results for the sealed sources used at our facility is enclosed for your review. Sealed sources and radioactive waste were removed from our department for transfer to the 1015 South Washington, Saginaw, MI, 48601 location listed on our NRC license prior to performing the close-out survey.

Thank you for your cooperation. If you have any questions or require additional information, please contact our physics consultant, Sharon Updike at 734-662-3197.

Respectfully Yours,

A handwritten signature in black ink that reads 'Patrick A. Tagget'.

Patrick A. Tagget CPA
Chief Financial Officer
Michigan Cardiovascular Institute

RECEIVED APR 14 2009

Close-out Survey

Date performed: April 6, 2009

Performed by: Rodney Butch, CNMT

Comments: Sealed sources and radioactive waste were removed from our department for transfer to the 1015 South Washington, Saginaw, MI, 48601 location listed on our NRC license prior to performing the close-out survey.

Instruments

Wipe tests analyzed with a Ludlum 2200 Well Counter s/n #161109

Instrument: Well Counter

Radionuclide: Cobalt-57 MDA for Tc-99m: 129 dpm

Date Efficiency performed: 11/18/08 Conversion factor: 1.11 dpm / cpm

Area survey performed with the following survey meter:

Manufacturer: Ludlum

Type: GM

Model Number: Model 14-C

Serial Number: 173059

Probe Model: End Window

Annual Calibration performed: 08/27/08

Battery check acceptable: YES

Operational check acceptable: YES

Current reading: 5.0 mR/hr

Radionuclides Used

Unsealed

Tc99m

Sealed

Co-57, Ba-133, Cs-137

Last date of byproduct radiopharmaceutical use: March 26, 2009

Visual Check: The area was checked to ensure that all sealed sources and radioactive waste had been removed. No evidence of radioactive material was noted.

Sealed Source Leak Testing: No history of leaks from Sealed Sources.

Radiation Level Survey: No area within the department demonstrated radiation levels in excess of 0.01 mR/hr.

Removable Contamination: No area within the department demonstrated removable contamination in excess of 84.36 dpm's.

Hot Lab, Injection, Stress and Imaging Areas
See Attachment

Conclusion: No radioactive materials remain in this area. No removable contamination is present.

Hot Lab

Area	net cpm	net dpm	mr/hr
1	52	57.72	0.01
2	55	61.05	0.01
3	61	67.71	0.01
4	72	79.92	0.01
5	64	71.04	0.01
6	60	66.6	0.01
7	53	58.83	0.01
8	59	65.49	0.01
9	60	66.6	0.01
10	62	68.82	0.01
11	59	65.49	0.01
12	63	69.93	0.01

Imaging Room

Area	cpm	dpm	mr/hr
1	55	61.05	0.01
2	52	57.72	0.01
3	57	63.27	0.01
4	55	61.05	0.01
5	57	63.27	0.01
6	61	67.71	0.01
7	69	76.59	0.01
8	64	71.04	0.01
9	61	67.71	0.01
10	59	65.49	0.01
11	55	61.05	0.01
12	65	72.15	0.01
13	63	69.93	0.01
14	55	61.05	0.01
15	63	69.93	0.01
16	62	68.82	0.01
17	61	67.71	0.01
18	57	63.27	0.01
19	56	62.16	0.01
20	64	71.04	0.01

Injection Room

Area	net cpm	net dpm	mr/hr
1	57	63.27	0.01
2	60	66.6	0.01
3	67	74.37	0.01
4	62	68.82	0.01
5	61	67.71	0.01
6	69	76.59	0.01
7	58	64.38	0.01
8	65	72.15	0.01
9	61	67.71	0.01
10	57	63.27	0.01
11	64	71.04	0.01

Stress Room

Area	cpm	dpm	mr/hr
1	66	73.26	0.01
2	57	63.27	0.01
3	59	65.49	0.01
4	61	67.71	0.01
5	70	77.7	0.01
6	72	79.92	0.01
7	63	69.93	0.01
8	61	67.71	0.01
9	59	65.49	0.01
10	74	82.14	0.01
11	76	84.36	0.01
12	69	76.59	0.01
13	64	71.04	0.01
14	55	61.05	0.01

Last date radioactive material used: March 26, 2009

Note: See : Wipe Test counter

Ludlum Model 2200 Scaler Ratemeter

Serial number: 161109

Background wipe: 60 cpm

Survey meter

Ludlum Model 14C Geiger counter

Serial number: 173059

Background: .01 mr/hr

Check source: 5.0 mr/hr

MCVI

3720 Katalin Court

Bay City, MI 48706

6-Apr-09

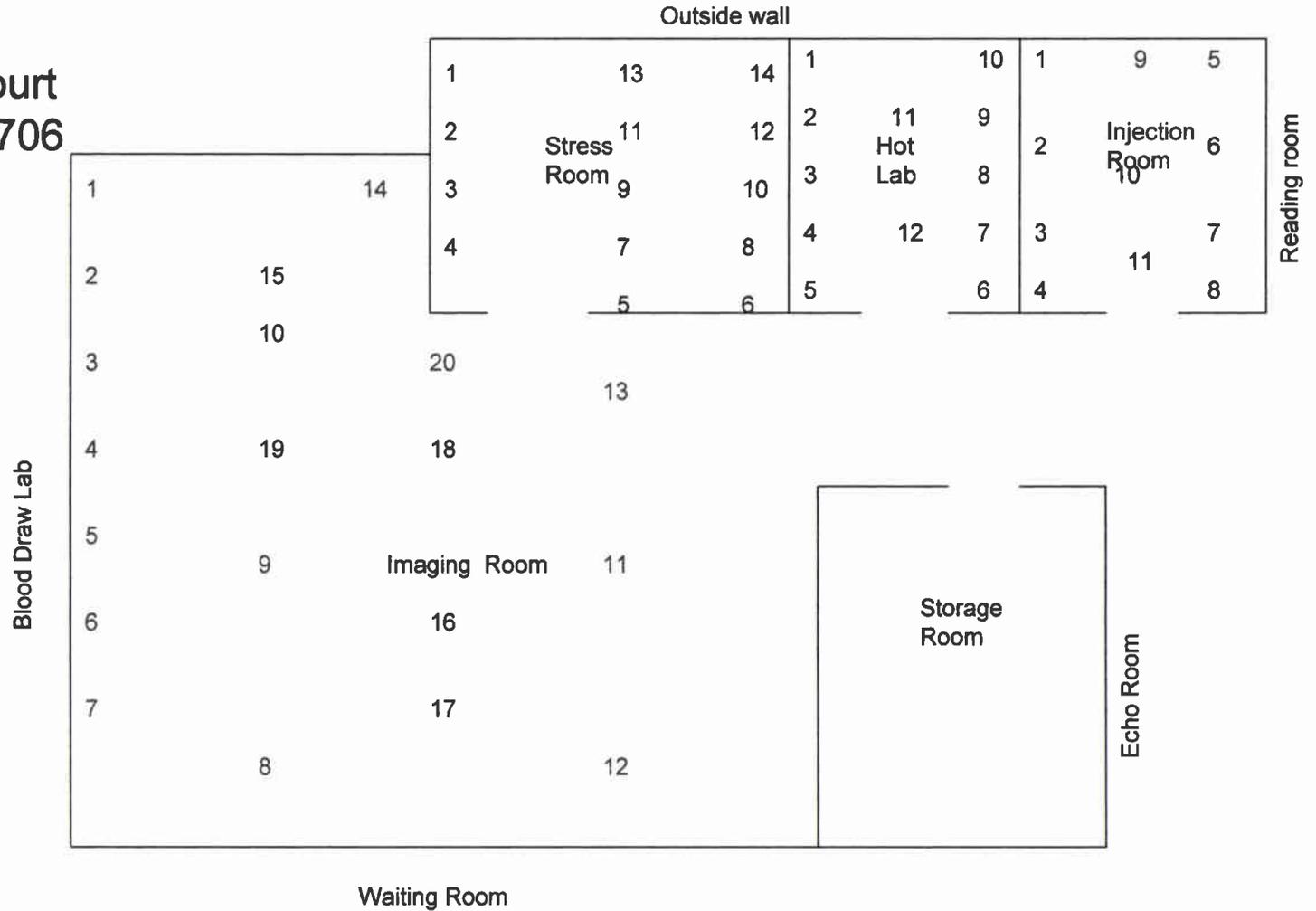
7:00 AM

Performed by: Rodney Butch

Note: See attached diagram

MCVI
 3720 Katalin Court
 Bay City, MI 48706

Survey &
 Wipe
 Closeout
 Diagram



From: Origin ID: MBSA (989) 754-3000
Marti Freeman
Michigan Cardiovascular Inst.
1015 S. Washington Ave

Saginaw, MI 48601



Ship Date: 10APR09
ActWgt: 1.0 LB
CAD: 4722360/INET9011
Account#: S *****

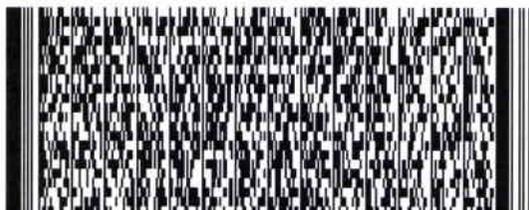
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US Nuclear Regulatory Comm.
2443 WARRENVILLE RD STE 210

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Dept #

LISLE, IL 60532

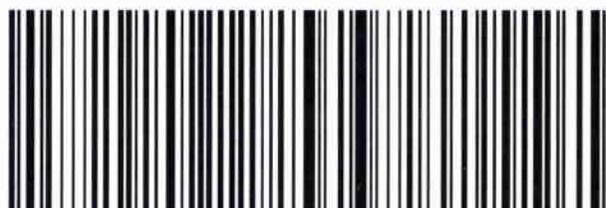


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