

MID-AMERICA CARDIOLOGY ASSOCIATES, INC.

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Loren D. Berenbom, M.D.
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Douglas J. Willhoite, M.D.
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Thomas L. Rosamond, M.D.
James L. Vacek, M.D.
Randall E. Genton, M.D.
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2521 GLENN HENDREN DRIVE, SUITE 302
LIBERTY, MISSOURI 64068
(816)781-1696
FAX (816) 781-5438

KANSAS UNIVERSITY SCHOOL OF MEDICINE
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Kevin M. Mulhern, M.D.
S. Roy Hegde, M.D.
Robert L. Herman, M.D.
Steven P. Freeman, D.O.
Dennis R. Bresnahan, M.D.
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Robert C. Candipan, M.D.
Brian C. Weiford, M.D.
Marina N. Hannen, M.D.

Chris Baudoin, RN, MSN, APRN-BC
Dana Flory, RN, MSN, FNP-C
Elisa Hockett, RN, MS, ARNP, CNS
Jill Keast, RN, MSN, ARNP-C
Dianna Newton, RN, MSN, ARNP-C
Christy Russell, RN, MSN, ARNP
Lauren Van Saders, RN, MS, APRN, BC

September 16, 2009

Nuclear Materials Licensing Branch
Nuclear Regulatory Commission
801 Warrenton Road
Lisle, Illinois 60532-4351

Notification RE: Byproduct Materials License Number 24-26254-01

Dear Sirs:

This letter is to notify you as per 10CFR35.14(4) that we have moved our Nuclear Medicine operations to a new facility. The old location was surveyed for decommissioning. The decommissioned address is at:

2521 Glenn Hendren Drive
Liberty, Missouri 64068

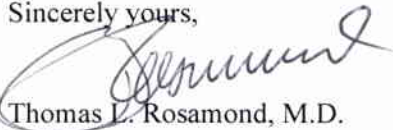
The hot lab, camera room, and stress test room have been decommissioned by removing all sources of radioactivity, performing an area radiation survey, and a wipe test to detect any residual contamination. All sources were removed and both surveys detected no residual contamination. The survey data are attached with this letter.

We would like all correspondence to go to our new address which we have already amended to our license at:
1135 West Kansas Avenue
Liberty, Missouri 64068

Under Item 1 of License 24-26254-01; I would like the license to be a corporate license under Mid-America Cardiology Associates, Inc. instead of under my name (Thomas L. Rosamond MD). I will continue to serve as the Radiation Safety Officer.

If you have any questions, please contact Mike Feldkamp, CNMT or myself.

Sincerely yours,



Thomas L. Rosamond, M.D.

Radiation Safety Officer

Mid-America Cardiology Associates, Inc.

Administration - 5799 Broadmoor, Suite 200, Mission, Kansas 66202 (913) 588-9500
University of Kansas Hospital - 3901 Rainbow Boulevard, Kansas City, Kansas 66109-7200 913-588-9600
Overland Park - 10100 West 119th Street, Suite 250, Overland Park, Kansas 66213, 913-588-9400
Atchison - 1301 North 2nd Street, Atchison, Kansas 66002 (913) 367-3100
Toll Free Number for Physicians Outside the Kansas City Area 1-800-365-5510
(Available between 8:00 a.m. - 5:00 p.m. Monday - Friday)

OCT - 8 2009



RADIATION AREA AND WIPE TEST SURVEY
Mid America Cardiology - Liberty
Date of Survey: August 17, 2009
Performed by: Ed Crouch and Ruth Schukman-Dakotas

diagnostic
 technology
 consultants
 incorporated

Radiation Survey:

All areas noted on the facility diagram were monitored with a Bicron Model 2000 GM survey meter with a PGM probe, Serial Number A190N, calibrated 4/8/09. The background reading was 0.05-0.1 mr/hr. No area monitored more than background.

5930 roe ave.
 mission
 kansas
 usa 66205

Wipe Test Survey:

All areas noted were wiped with an alcohol swab. The swabs were counted in the DTC well counter for one minute. The results of the counting are noted in the attached tables.

(913) 236-6000
 (800) 753-4DTC
 fax:
 (913) 236-6655

The area was considered to contain no activity if the count was less than:

$$\text{Bkg} + 4.66(\text{Bkg})^{1/2}$$

Results of Survey:

No contamination or residual radioactivity were detected in the Hot Lab, Camera Room, or the Stress Test Room.

9504 west cluster
 tampa, florida
 33615-2767

Ruth Schukman-Dakotas

Ruth Schukman-Dakotas
 Health Physicist

9/10/09
 Date

(813) 885-7585

specialists
 in medical
 physics



Mid America Cardiology - Liberty
RESULTS OF WIPE TEST SURVEY
FOR DECOMMISSIONING OF CAMERA ROOM
 Performed by: Diagnostic Technology Consultants, Inc.
 Ed Crouch and Ruth Schukman-Dakotas
 Date of Survey: August 17, 2009

Wipe Number*	Area Wiped	Counts per minute (cpm)	Removed Activity (dpm)	Results
1	Floor (grid 0-10)		0	Acceptable
2	Floor (grid 11-24)		0	Acceptable
3	Floor (grid 25-38)		0	Acceptable
4	Floor (grid 39-51)		0	Acceptable
5	Floor (grid 52-69)		0	Acceptable
6	Floor (grid 70-92)		0	Acceptable
7	Floor (grid 93-112)		0	Acceptable
8	Floor (grid 113-130)		0	Acceptable
9	Floor (grid 131-146)		0	Acceptable
10	Floor (grid 147-162)		0	Acceptable
11	Floor camera pad		0	Acceptable
12	End of floor adjacent to Hot Lab (grid 163-182)		0	Acceptable
13	Narrow floor W of camera (183-195)		0	Acceptable
14	Overhead cabinets & handles		0	Acceptable
15	Camera work station		0	Acceptable
16	Counter top		0	Acceptable
17	Camera head & gurney		0	Acceptable
BKG		65		

$$Bkg + 4.66(Bkg)^{1/2} = 103$$

All radiation level readings were ≥ 0.1 mr/hr (see attached floor plan)

Mid America Cardiology - Liberty
RESULTS OF WIPE TEST SURVEY
FOR DECOMMISSIONING OF HOT LAB
 Performed by: Diagnostic Technology Consultants, Inc.
 Ed Crouch and Ruth Schukman-Dakotas
 Date of Survey: August 17, 2009

Wipe Number*	Area Wiped	Counts per minute (cpm)	Removed Activity (dpm)	Results
1	Door (handle and frame)	93	0	Acceptable
2	Drawer handles/cabinet handles	93	0	Acceptable
3	Sink & cabinet & inside drawers	93	0	Acceptable
4	Cabinets	85	0	Acceptable
5	Under sink & plumbing parts	85	0	Acceptable
6	Inside cabinets	85	0	Acceptable
7	Cabinet handles	60	0	Acceptable
8	Counter top	60	0	Acceptable
9	Floor (grid 1-9)	60	0	Acceptable
10	Floor (grid 10-16)	84	0	Acceptable
11	Floor (grid 17-23)	84	0	Acceptable
12	Floor (grid 24-30)	84	0	Acceptable
13	Floor (grid 31-37)	67	0	Acceptable
14	Floor (grid 38-44)	67	0	Acceptable
15	Floor (grid 45-51)	76	0	Acceptable
16	Floor (grid 52-58)	76	0	Acceptable
BKG		65		

$$\text{Bkg} + 4.66(\text{Bkg})^{1/2} = 103$$

All radiation level readings were ≥ 0.1 mr/hr (see attached floor plan)

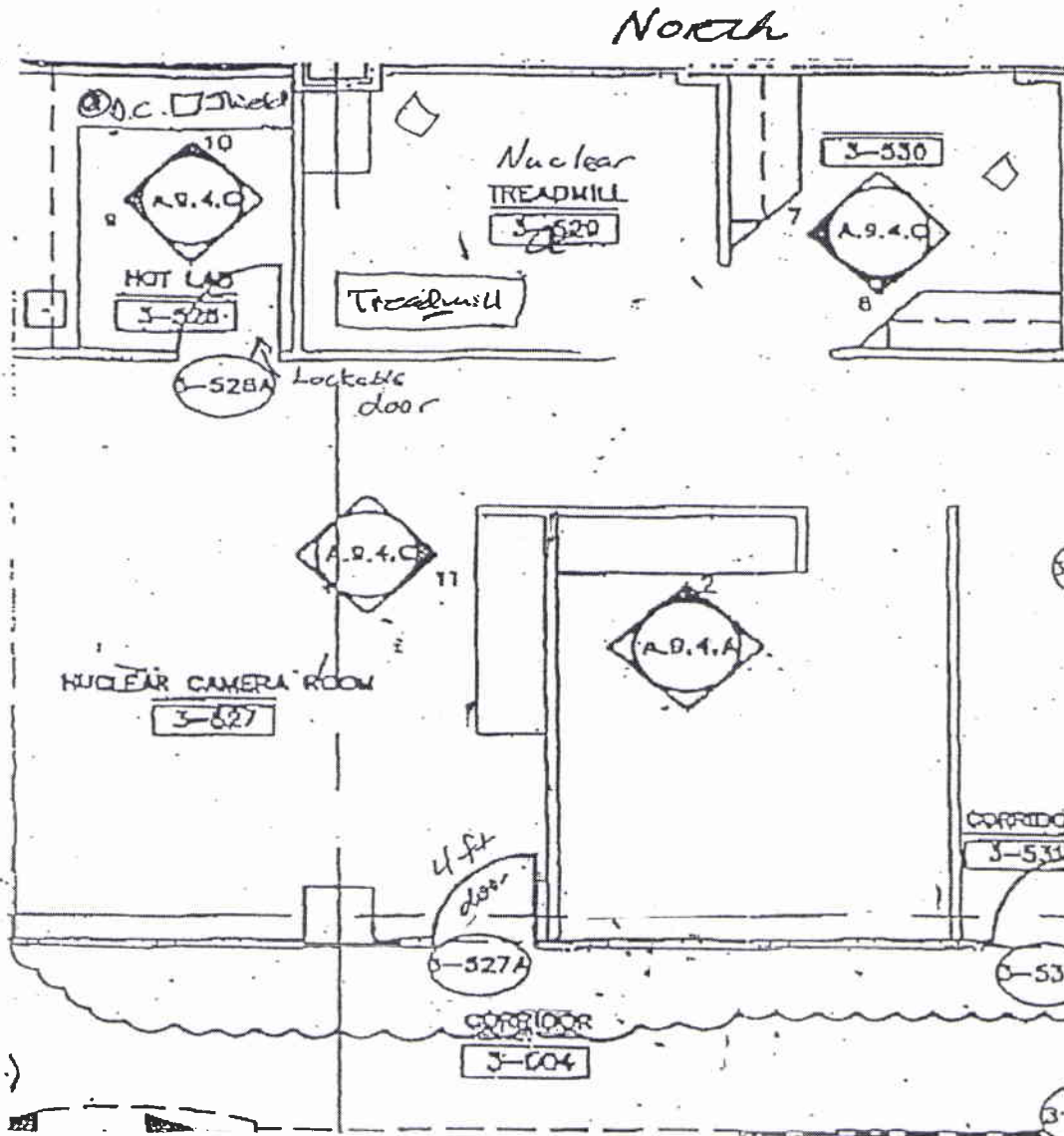
Mid America Cardiology - Liberty
RESULTS OF WIPE TEST SURVEY
FOR DECOMMISSIONING OF STRESS TEST ROOM
 Performed by: Diagnostic Technology Consultants, Inc.
 Ed Crouch and Ruth Schukman-Dakotas
 Date of Survey: August 17, 2009

Wipe Number*	Area Wiped	Counts per minute (cpm)	Removed Activity (dpm)	Results
1	Floor (grid 0-20)	79	0	Acceptable
2	Floor (grid 21-40)	79	0	Acceptable
3	Floor (grid 41-60)	79	0	Acceptable
4	Floor (grid 61-80)	99	0	Acceptable
5	Floor (grid 81-100)	99	0	Acceptable
6	Floor (grid 101-120)	99	0	Acceptable
BKG		65		

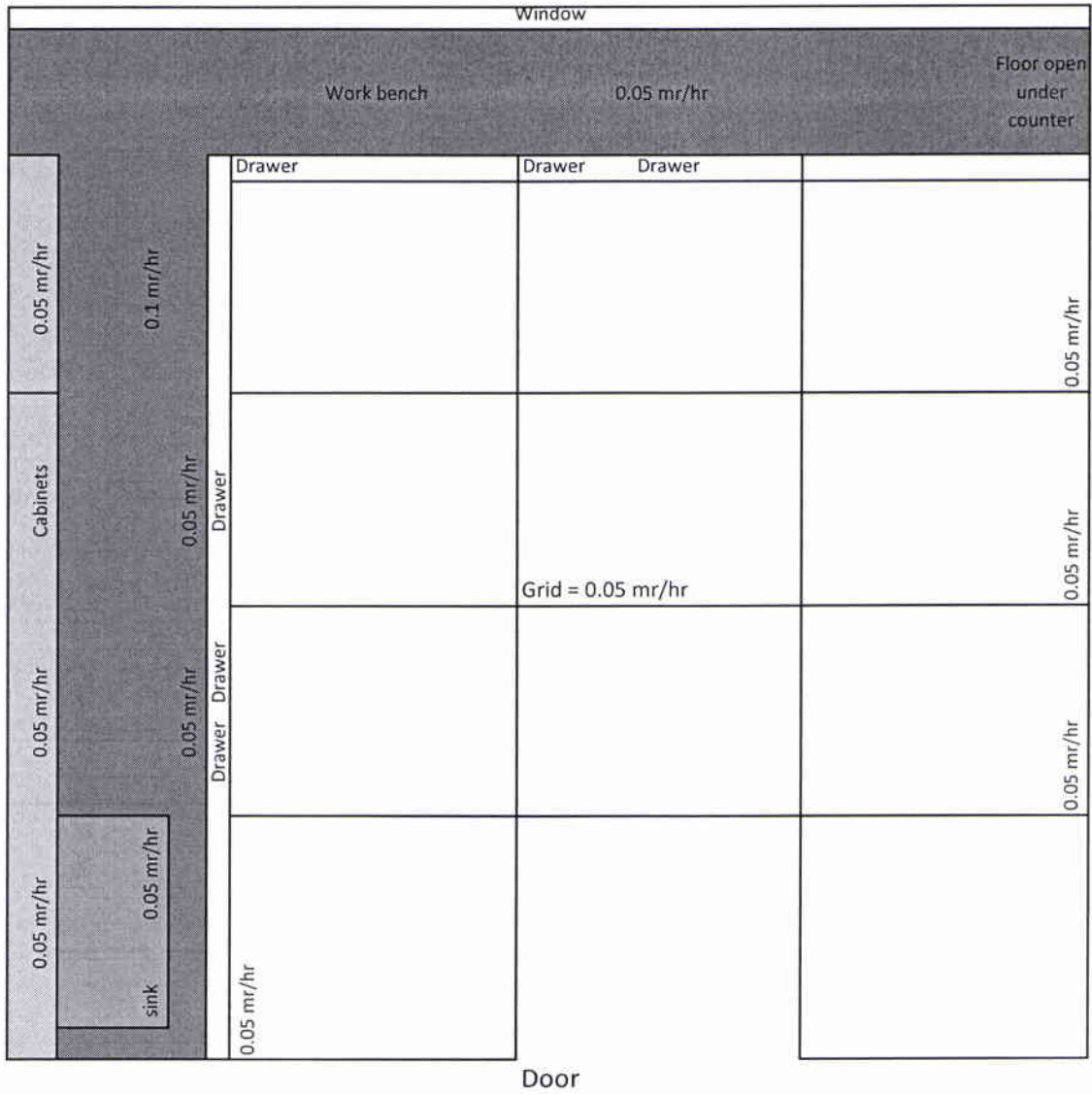
$$\text{Bkg} + 4.66(\text{Bkg})^{1/2} = 103$$

All radiation level readings were ≥ 0.1 mr/hr (see attached floor plan)

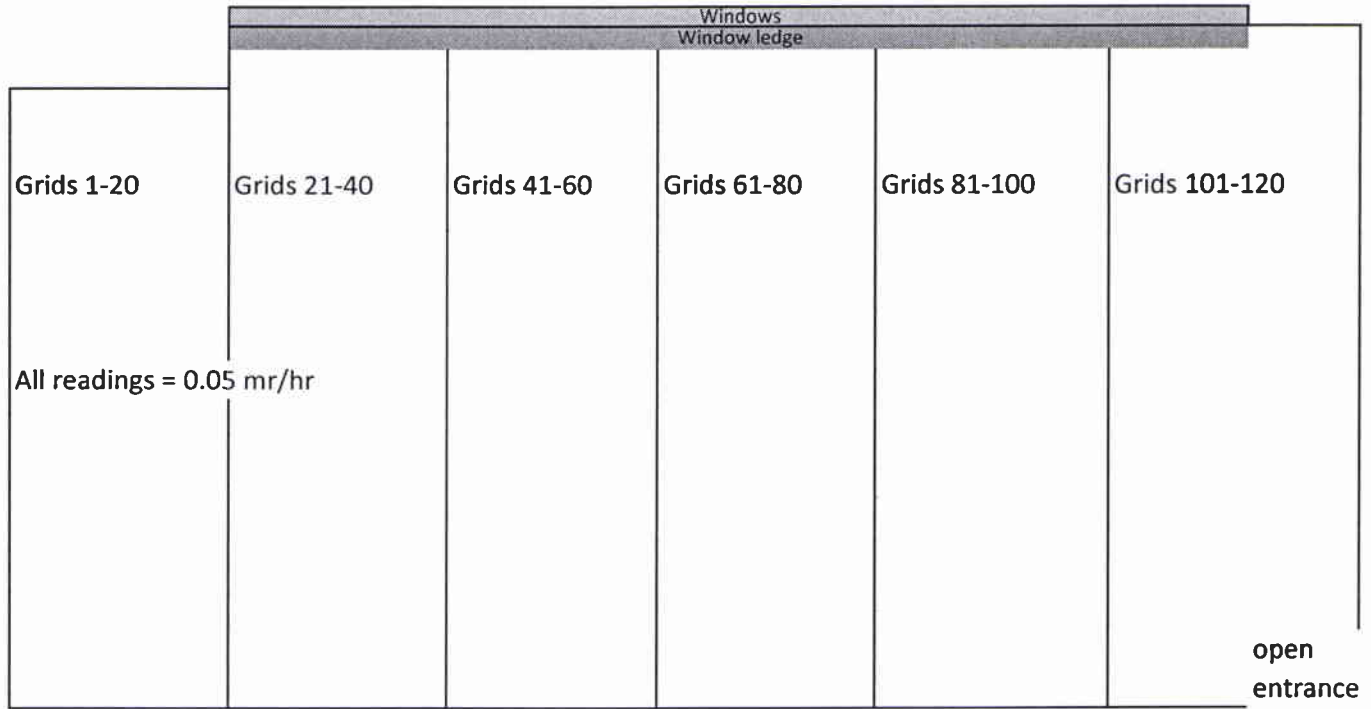
Mid America Cardiology
2521 Glenn Hendren, Suite 302
Liberty, Missouri



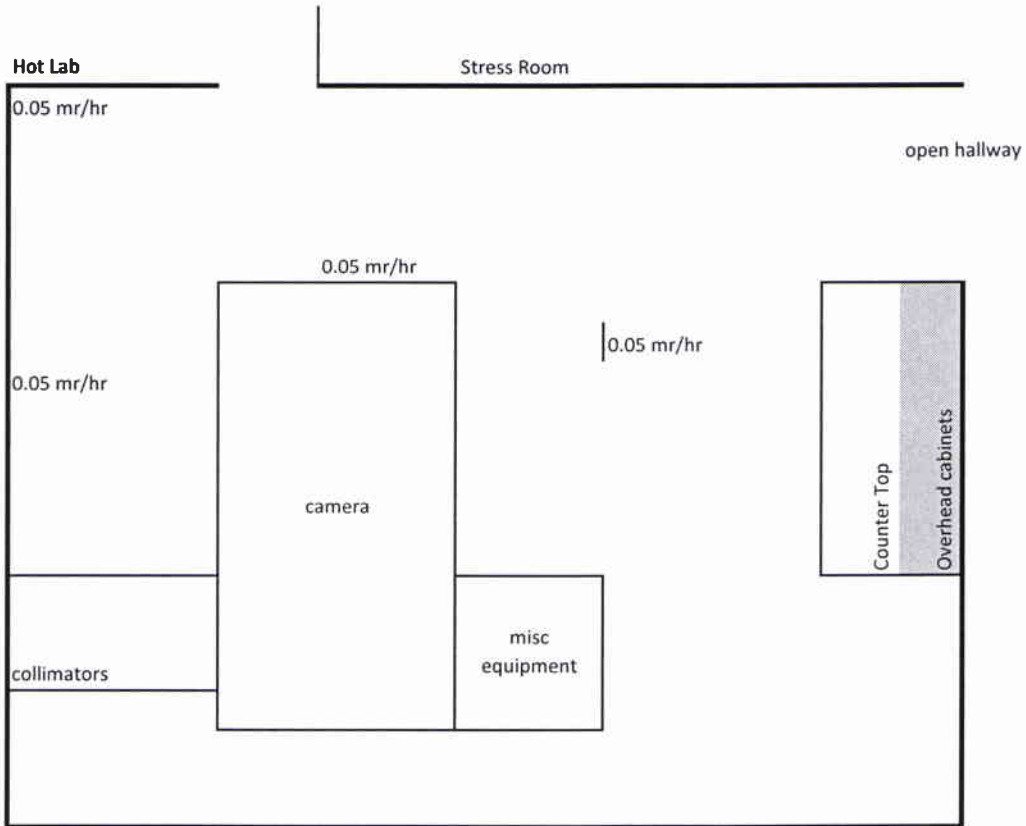
Mid America Cardiology - Liberty
Hot Lab



**Mid America Cardiology - Liberty
Stress Room**



Mid America Cardiology - Liberty Nuclear Camera Room



U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 14

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p style="text-align: center;">Licensee</p> <p>1. Thomas L. Rosamond, M.D. Mid-America Cardiology Associates, Inc. 2. 2521 Glenn Hendren Drive, Suite 302 Liberty, Missouri 64068</p>	<p>In accordance with the letter dated June 8, 2009,</p> <p>3. License number 24-26254-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date July 31, 2011</p> <hr/> <p>5. Docket No. 030-31959 Reference No.</p>
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|--|---|---|
| <p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material permitted by 10 CFR 35.200</p> | <p>7. Chemical and/or physical form</p> <p>A. Any</p> | <p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. As needed</p> |
|--|---|---|

9. Authorized use:
- A. Any imaging and localization study permitted by 10 CFR 35.200.

CONDITIONS

10. Licensed material may be used at the licensee's facilities located at 2521 Glenn Hendren Drive Liberty, Missouri, 5501 NW 62nd Terrace, Kansas City, Missouri, and **1135 West Kansas Avenue, Liberty, Missouri.**
11. Radiation Safety Officer: Thomas L. Rosamond, M.D.
12. Licensed material is only authorized for use by, or under the supervision of:
- A. Individuals permitted to work as an authorized user in accordance with 10 CFR 35.13 and 35.14.
- B. The following individuals are authorized users for medical use as indicated:

<u>Authorized Users</u>	<u>Material and Use</u>
Thomas L. Rosamond, M.D.	10 CFR 35.200.
James L. Vacek, M.D.	10 CFR 35.200.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

24-26254-01

Docket or Reference Number

030-31959

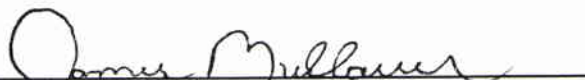
Amendment No. 14

13. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
14. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. Additionally, this license condition does not limit the licensee's ability to make changes to the radiation protection program as provided for in 10 CFR 35.26. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated January 9, 2001 (with attachments, excluding Item 12 reference to QMP);
- B. Letters dated June 13, 2001, February 24, 2003, November 16, 2007, **June 8, 2009**.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date JUL 27 2009

By



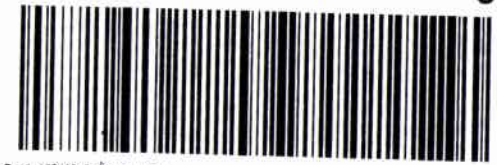
James R. Mullauer, M.H.S.
Materials Licensing Branch
Region III

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Sender's Name Thomas Rosamerid Phone 913 588-9600

Company MID-AMERICA CARDIOLOGY ASSCKVXH

Address 3901 RAINBOW BLVD STE 6600 Dept./Floor/Suite/Rm

City KANSAS CITY State KS ZIP 66160

2 Your Internal Billing Reference

3 To Recipient's Name Nuclear Material Licensing Board

Company Nuclear Regulatory Commission

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4a Express Package Service
 FedEx Priority Overnight
Next business morning* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
 FedEx Standard Overnight
Next business afternoon* Saturday Delivery NOT available.
 FedEx 2Day
Second business day* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected. FedEx Envelope rate not available. Maximum charge: One-pound rate.
 FedEx Express Saver
Third business day* Saturday Delivery NOT available.

4b Express Freight Service
 FedEx 1Day Freight*
Next business day** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
 FedEx 2Day Freight
Second business day** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
 FedEx 3Day Freight
Third business day** Saturday Delivery NOT available.

5 Packaging
 FedEx Envelope*
 FedEx Pak*
Includes FedEx Small Pak, FedEx Charge Pak, and FedEx Shrinky Pak.
 FedEx Box
 FedEx Tube
 Other
*Declared value limit \$500.

6 Special Handling
 SATURDAY Delivery
Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
 HOLD Weekday at FedEx Location
Not available for FedEx First Overnight.
 HOLD Saturday at FedEx Location
Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods?
One box must be checked.
 No Yes
Is an attached Shipper's Declaration required?
 No Yes
Shipper's Declaration not required.
 Dry Ice
Dry Ice, E UN 1845
 Cargo Aircraft Only

7 Payment Bill to:
Enter FedEx Acct. No. or Credit Card No. below.
 Sender
Acct. No. in Section 1 will be billed.
 Recipient Third Party Credit Card Obtain Recip. Acct. No. Cash/Check

Total Packages 1
Total Weight
Credit Card Auth.

*Our liability is limited to \$100 unless you declare a higher value. See the current FedEx Service Guide for details.
If you require a signature, check Direct or Indirect.

8 Residential Delivery Signature Options
 No Signature Required
Package may be left without obtaining a signature for delivery.
 Direct Signature
Someone at recipient's address may sign for delivery. Fee applies.
 Indirect Signature
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.

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