



**ST. JOHN'S MERCY
MEDICAL CENTER**

Fax

Please deliver the following page(s) to:

Name: COLLEEN CASEY Ext. _____

Department: NRC MATERIAL LICENSING

Facsimile Telephone No.: 630-515-1078

Sender Information:

Sender's Name: KENNETH ANDREWS

Sender's Department: RADIATION ONCOLOGY

Sender's Telephone No.: 314-251-6844

Sender's Facsimile No.: 314-251-4337

**IF YOU HAVE ANY QUESTIONS OR PROBLEMS IN RECEIVING,
PLEASE CALL SENDER IMMEDIATELY, THANK YOU.**

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Total Number of Pages: 9

Date: 11/17/2008

Comments: CLOSEOUT SURVEY FOR

MERCY CARDIOLOGY, LLC

24-32420-01



THE MEDICAL PHYSICS GROUP, LTD.

Consultants in Radiation Physics

P.O. Box 410493
Saint Louis, MO 63141
(314) 260-7997

Robert F. Turco, Ph.D., DABR
Jean Y. Gu, M.S., DABR
Kenneth L. Andrews, M.S., DABR
Rebecca M. Seibert, Ph.D.

November 17, 2008

U. S. N. R. C., Region III
Material Licensing Section
2443 Warrensville Road, Suite 210
Lisle, IL 60532-4352

Re: Merger of Nuclear Cardiology Facility

Dear Ms. Casey:

The enclosed facsimile documents are in reference to the close-out survey for material license 24-32420-01 and more specifically the following control numbers 317-434 and 317-435, which are currently under your review.

If you have any additional questions, please feel free to contact me at 314-251-7258.

Sincerely

A handwritten signature in cursive script, appearing to read 'Kenneth L. Andrews', written in dark ink.

Kenneth L. Andrews, M.S., DABR
Consulting Diagnostic Radiological Physicist for
Mercy Cardiology, LLC and St. John's Mercy Medical Center



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CLOSE-OUT SURVEY SUMMARY

FACILITY: Mercy Cardiology, LLC.
625 South New Ballas Road, Suite 2030
St. Louis, Missouri 63141

DATE OF SURVEY: November 14, 2008

INSTRUMENTATION: Capintec CRC-15W, S/N 170295, Efficiency 0.32, Calibrated: 5/2008
Ludlum 14C + 44-7, S/N 210240, S/N: 204451, Calibrated: 12/2007

MEASUREMENTS: The following items and areas were surveyed for ambient exposure rates and removable contamination:

<u>Location</u>	<u>Cpm/100 cm²</u>	<u>Net Dpm/100 cm²</u>	<u>mR/hr @ 1m</u>
Background	169	----	0.02
1. Hot Lab Counter	182	41	0.02
2. Hot Lab Waste Container	182	41	0.02
3. Hot Lab Floor	182	41	0.02
4. Imaging Room Floor	181	38	0.02
5. Imaging Room Sink	181	38	0.02
6. Imaging Room Console	181	38	0.02
7. Prep Room Counter Top	182	41	0.02
8. Prep Room Chair	182	41	0.02
9. Prep Room Floor	182	41	0.02
10. Stress Lab Treadmill	185	50	0.02
11. Stress Lab Bed	182	41	0.02
12. Stress Lab Floor	179	31	0.02
13. Imaging Camera Heads	183	44	0.02
14. Imaging Camera Table	183	44	0.02

*Minimum Detectable Activity = 197 DPM

CONCLUSION: All items and areas surveyed for removable contamination and ambient radiation exposure levels were determined to be below the unrestricted area trigger levels established for this facility (i.e. 200 dpm's and 0.1 mR/hr).

Kenneth L. Andrews, M.S., DABR
Certified Diagnostic Radiological Physicist for
The Medical Physics Group, Ltd.

FACILITY DIAGRAM

MERCY CARDIOLOGY CLINIC, INC
625 S. NEW BALLAS RD., SUITE 2030

This location is located in a professional building called the Heart Hospital Building that is adjacent to St. John's Mercy Medical Center.

Rooms in Diagram

Y-2061 Patient Preparation Room
Y-2063 Patient Preparation Room
Y-2066 Nuclear Cardiology Imaging Room
Y-2065 Physician Viewing & Reading Room
Y-2066.1 Hot Lab with locked door
Stress Echo Rooms - location of treadmills for stress exams



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INVENTORY OF SEALED SOURCES

Facility: **Mercy Cardiology, LLC**
625 South New Ballas Road, Suite 2030
St. Louis, Missouri 63141

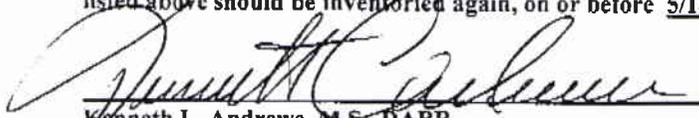
NRC License No: 24-32420-01
Expiration Date: 10/31/2012

Individual Performing Inventory: **Kenneth L. Andrews**

NUCLIDE	TYPE	LOCATION	MODEL	SERIAL NO.	ACTIVITY	REF DATE
Cs-137	Vial	Hot Lab	NES-356	S356035-033	214 uCi	7/7/1997
Co-57	Vial	Hot Lab	SRV-057-5M	788-40-22	5.477 mCi	2/1/2002
Co-57	Flood	Hot Lab	NES-8496-10M	1099-036	10 mCi	1/1/2005
Co-57	Flood	Hot Lab	SFL09R-057-10M	1025-146	10 mCi	12/1/2003
Cs-137	Rod	Hot Lab	N/A	1036-61-10	100.7 nCi	1/1/2005
Cs-137	Rod	Hot Lab	GF-0008	851-12	500 nCi	1/1/2002
Cs-137	Disk	GM Meter	N/A	3151	1 uCi	11/1/2004
Cs-137	Disk	GM Meter	N/A	1507	1 uCi	9/1/2001

CONCLUSION:

Each sealed source listed above was verified to be present at the specified location. In accordance with prevailing regulations, sealed sources should be inventoried at least every six months. The sealed sources listed above should be inventoried again, on or before 5/14/2009.


Date: 11/14/2008
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CERTIFICATE OF LEAK TEST

Facility: Mercy Cardiology, LLC
625 South New Ballas Road, Suite 2030
St. Louis, Missouri 63141

NRC License No: 24-32420-01

Expiration Date: 10/31/2012

Source Manufacturer: DuPont

M/N: NES 356 S/N: S356035-033

Isotope: Cs-137 Vial

Activity : 0.214 mCi on 7/7/1997

Individual Performing Test: Kenneth L. Andrews

Date: 11/14/2008

This test was performed in accordance with NRC License instructions.

Date Sample Received 11/14/2008

Date Sample Processed 11/14/2008

TEST DATA

Sample	CPM (net)	DPM	Activity (Microcuries)	
Source	15	28	0.0000	CPM-Counts/minute
Container	15	28	0.0000	DPM-Disintegrations/min
				Efficiency =0.529
Standard Cs-137	207,126	391,347	0.1763	

CONCLUSION:

Results of this test indicate the presence of less than 0.005 microcuries of removable contamination and meets presently accepted standards of radiation safety. In accordance with prevailing regulations, this source should be leak tested on or before 5/14/2009.

Date: 11/14/2008

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CERTIFICATE OF LEAK TEST

Facility: **Mercy Cardiology, LLC**
625 South New Ballas Road, Suite 2030
St. Louis, Missouri 63141

NRC License No: 24-32420-01

Expiration Date: 10/31/2012

Source Manufacturer: Isotope Products

M/N: NES 8496-10M S/N: 1099-036

Isotope: Co-57 Sheet

Activity : 10.0 mCi on 1/1/2005

Individual Performing Test: **Kenneth L. Andrews**

Date: 11/14/2008

This test was performed in accordance with NRC License instructions.

Date Sample Received 11/14/2008

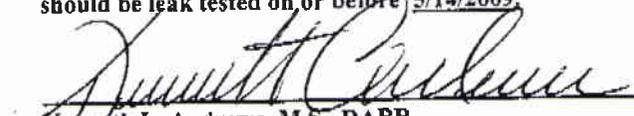
Date Sample Processed 11/14/2008

TEST DATA

Sample	CPM (net)	DPM	Activity (Microcuries)	
Source	0	0	0.0000	CPM-Counts/minute
Container	0	0	0.0000	DPM-Disintegration/min
				Efficiency =0.529
Standard Cs-137	207,126	391,347	0.1763	

CONCLUSION:

Results of this test indicate the presence of less than 0.005 microcuries of removable contamination and meets presently accepted standards of radiation safety. In accordance with prevailing regulations, this source should be leak tested on or before 5/14/2009.


Date: 11/14/2008
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CERTIFICATE OF LEAK TEST

Facility: Mercy Cardiology, LLC
625 South New Ballas Road, Suite 2030
St. Louis, Missouri 63141

NRC License No: 24-32420-01

Expiration Date: 10/31/2012

Source Manufacturer: Syncor Isotope Products

M/N: SFL09R-057-10M S/N: 1025-146

Isotope: Cd-57 Sheet

Activity : 10.0 mCi on 12/1/2003

Individual Performing Test: Kenneth L. Andrews

Date: 11/14/2008

This test was performed in accordance with NRC License instructions.

Date Sample Received 11/14/2008

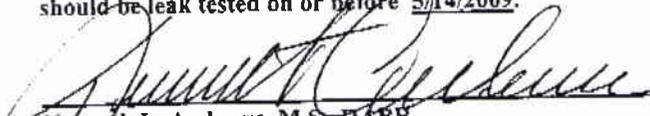
Date Sample Processed 11/14/2008

TEST DATA

Sample	CPM (net)	DPM	Activity (Microcuries)	
Source	0	0	0.0000	CPM-Counts/minute
Container	0	0	0.0000	DPM-Disintegrations/min
				Efficiency =0.529
Standard Cs-137	207,126	391,347	0.1763	

CONCLUSION:

Results of this test indicate the presence of less than 0.005 microcuries of removable contamination and meets presently accepted standards of radiation safety. In accordance with prevailing regulations, this source should be leak tested on or before 5/14/2009.


Date: 11/14/2008
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