

**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.

March 17, 2010

Bill Reichhold
Materials Licensing Branch
U.S. NRC-Region III
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532-4352

Re: Cardiology Consultants of St. Louis County, P.C., Ctrl # 318828

Mr. Reichhold,

The following letter is in response to your questions received via facsimile dated March 17, 2010 regarding the Cardiology Consultants of St. Louis County, P.C., facility located at 10012 Kennerly Road, Suite 305, in St. Louis, Missouri.

1. The following is a history of all radionuclides which were used at the facility:
 - a. unsealed radioactive materials for diagnostic medical use
 - Tl-201 (unit dosages)
 - Tc-99m (unit dosages)
 - b. sealed source radioactive material for reference calibration use
 - Co-57 vial (dose calibrator)
 - Co-57 sheet (gamma camera)
 - Cs-137 rod (well counter)
 - Cs-137 button (survey meter)
2. A copy of the leak test results performed on the date of the close-out survey have been enclosed.
3. Kenneth L. Andrews performed all close-out ambient and removable contamination surveys on January 15, 2010.
4. All remaining radioactive waste was decayed to background and disposed of on February 18, 2010.
5. The last date radionuclides were used at this facility was January 15, 2010.

In addition, Cardiology Consultants must release this facility to the landlord on March 29, 2010, or be subject to additional fees. Your prompt attention to the completion of this amendment is appreciated. If you have any additional questions regarding this matter, please do not hesitate to contact me.

Sincerely,

Kenneth L. Andrews, M.S., DABR
Radiation Safety Officer
314-260-7997



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CERTIFICATE OF LEAK TEST & PHYSICAL INVENTORY

Facility: **Cardiology Consultants**
10012 Kennerly Road, Suite 305
St. Louis, Missouri 63128

NRC Material License: 24-32760-01

Expiration Date: 10/31/2019

Source Manufacturer: Isotope Products Laboratories

M/N: RV-057-5M

S/N: 1044-8-16

Isotope: Co-57 (vial)

Activity : 5.214 mCi on 11/01/2006

Individual Performing Test: Kenneth L. Andrews

Date: 1/15/2010

This test was performed in accordance with NRC License instructions.

Date Sample Received: 1/15/2010

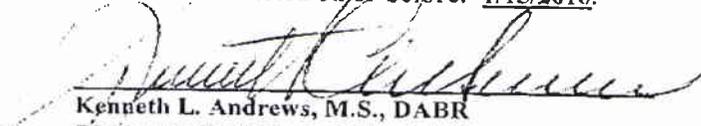
Date Sample Processed: 1/15/2010

TEST DATA

Sample	CPM (net)	DPM	Activity (Microcuries)	
Source	18	33	0.0000	CPM-Counts per minute
Container	18	33	0.0000	DPM-Disintegrations / min
				Efficiency =0.530
Standard Cs-137	201,947	380,918	0.1716	

CONCLUSION:

Results of this leak test indicate the presence of less than 0.005 microcuries of removable contamination and meet presently accepted standards of radiation safety. In accordance with prevailing regulations, this source should be leak tested on or before: 1/15/2010.


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

1/15/2010
Date



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CERTIFICATE OF LEAK TEST & PHYSICAL INVENTORY

Facility: **Cardiology Consultants**
10012 Kennerly Road, Suite 305
St. Louis, Missouri 63128

NRC Material License: 24-32760-01

Expiration Date: 10/31/2019

Source Manufacturer: Eckert & Ziegler Isotope Products M/N: NES8510 S/N: 1372-141

Isotope: Co-57 (sheet)

Activity: 10.0 mCi on 05/01/2009

Individual Performing Test: Kenneth L. Andrews

Date: 1/15/2010

This test was performed in accordance with NRC License instructions.

Date Sample Received: 1/15/2010

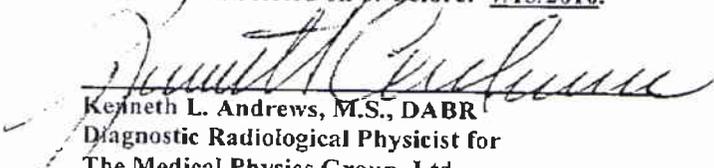
Date Sample Processed: 1/15/2010

TEST DATA

Sample	CPM (net)	DPM	Activity (Microcuries)	
Source	8	15	0.0000	CPM-Counts per minute
Container	8	15	0.0000	DPM-Disintegrations / min
				Efficiency =0.530
Standard Cs-137	201,947	380,918	0.1716	

CONCLUSION:

Results of this leak test indicate the presence of less than 0.005 microcuries of removable contamination and meet presently accepted standards of radiation safety. In accordance with prevailing regulations, this source should be leak tested on or before: 7/15/2010.


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

1/15/2010
Date



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FACSIMILE TRANSMISSION OF CONFIDENTIAL INFORMATION

FROM: Ken Andrews

FAX: 314-259-1780

TO: Bill Reichhold

FAX: 630-515-1078

NRC Region III

DATE: 3-18-2010

NUMBER PAGES: 4

COMMENTS:

CTRL # 318828

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