MERCY

ST. JOHN'S MERCY
MEDICAL CENTER

Fax

Please deliver the following page(s) to:

Name: Bill Reichhold Ext.

Department: U.S. NRC Region III

Facsimile Telephone No.: 630-515-1078

Sender Information:

Sender's Name: Robert Turco, Ph.D.

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: 6 Date: 5/4/09

Comments:

Control # 317876

MERCY
ST. JOHN'S MERCY
MEDICAL CENTER

PRIMARIS

April 28, 2009

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

Re: Request for Additional Information for
Release of Nuclear Medicine Facility
Mail Control # 317876

Mr Reichhold:

Enclosed you will find the additional information you had requested in the amendment letter dated April 1, 2009 for St. John's Mercy Medical Center, material license number 24-00794-03, regarding a change in areas of use at our facility located at 625 South New Ballas Road, in St. Louis, Missouri. As a reminder, we added a nuclear cardiology imaging room to our existing nuclear cardiology area on the 6th floor of our facility at 625 South New Ballas Road. An existing nuclear imaging camera was re-located from our "old" nuclear cardiology suite located on the 2nd floor, Suite 2030, to this new imaging room.

1. The following list is a history of all radionuclides used in Suite 2030:

   a. Technetium-99m (nuclear cardiology imaging studies)
   b. Cesium 137 (reference sources - calibration)
   c. Cobalt-57 (reference sources - calibration)

2. A copy of the leak test results for the sealed sources that were current at the date of the close-out survey have been enclosed.

3. A diagram of Suite 2030 with survey and wipe tests keyed to specific locations has been enclosed corresponds to the close-out survey performed on December 3, 2008, which was previously provided.

4. The close-out survey was performed by one of our physicists, Kenneth L. Andrews, M.S., DABR.

5. All radioactive waste from Suite 2030 was held and decayed to background before being disposed of as biomedical waste.

If you have any additional questions, please feel free to contact me at 314-251-6657.

Sincerely

Robert F. Turco

Robert F. Turco, Ph.D., DABR
Radiation Safety Officer

615 S. NEW BALLAS ROAD ■ ST. LOUIS, MO 63141
314-251-6000 ph.

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. Selbert, Ph.D.

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

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

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

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: Co-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

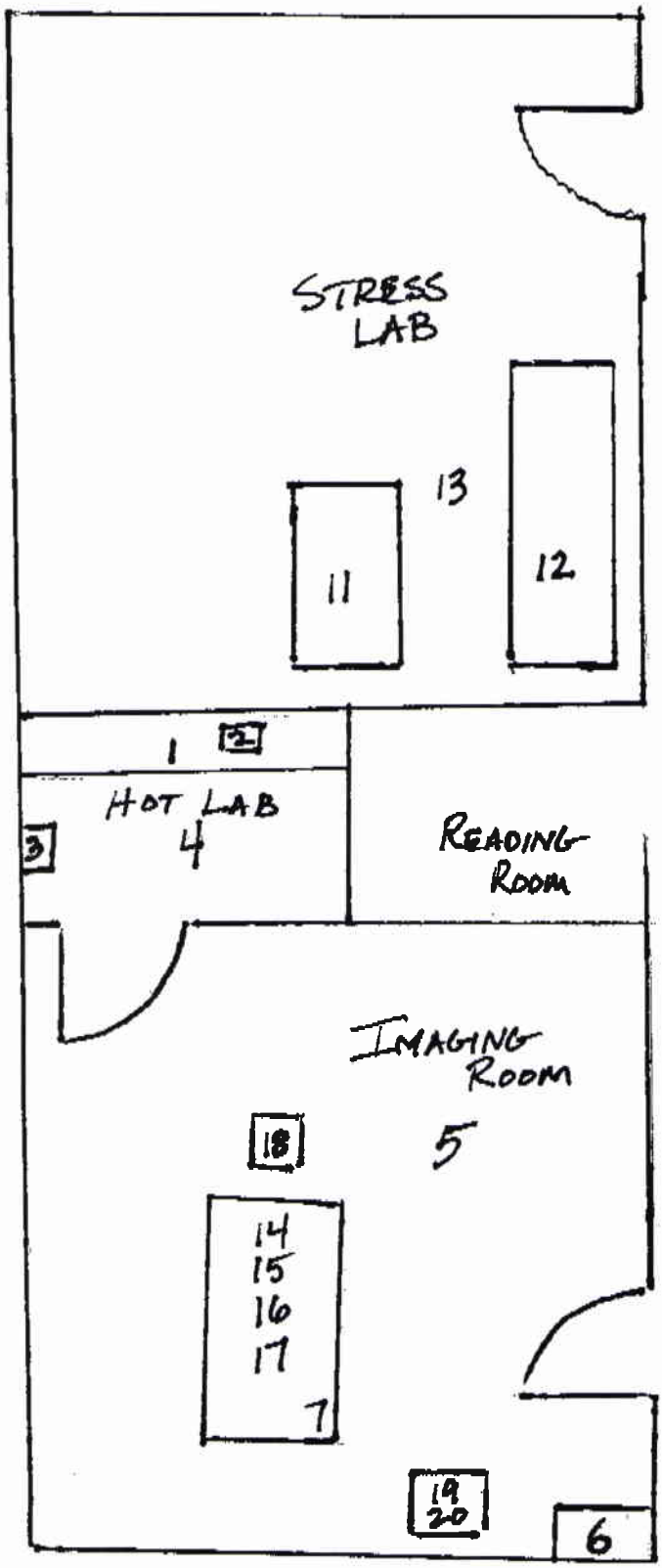
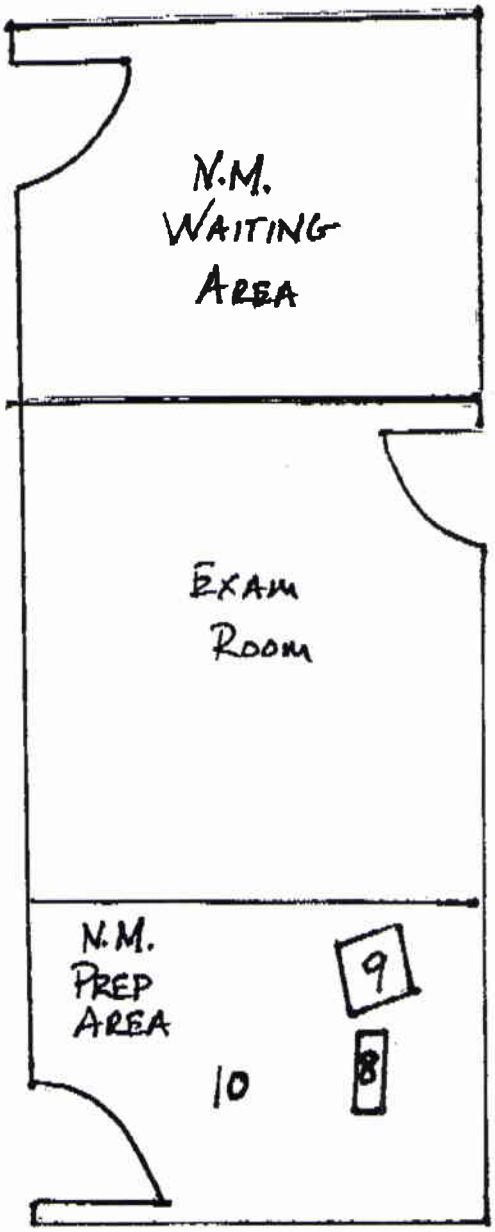
TEST DATA

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

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

ST. JOHN'S MERCY MEDICAL G
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SUITE 2030
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