



TELECOPY TRANSMITTAL

DATE: ~~8/25/09~~ resend 9/9/09

TO: JOSE MACATANGAY

Fax Number: 630-515-1078

FROM: CARI DEANBAZOFF

RE:

COMMENTS: JUST RECEIVED YOUR FAX AS I WAS ABOUT TO SEND MINE. PLEASE LET ME KNOW IF YOU NEED ADDITIONAL INFORMATION.

This transmittal consists of 8 pages (including transmittal cover sheet). Please contact me if you have any questions or problems with this transmittal.

2309 Shelby Avenue Ann Arbor, MI 48103 (734) 662-9224 Fax (734) 662-3197

70 E. 91st Street, Suite 106 Indianapolis, IN 46240 (317) 581-1931 Fax (317) 581-1911

4806 Mile High Drive Salt Lake City, UT 84124 (801) 272-2952 Office & Fax

N7375 Crystal Ridge Drive Beaver Dam, WI 53916 (920) 185-9872 Fax (920) 185-9870



September 9, 2009

RE: Control #318282
Cardiovascular Associates, P.C. – West Bloomfield

Dear Jose:

I have not received the fax yet and I have to leave my office. I will not be returning to the office again this week so I am faxing the information that you have requested.

I am faxing sealed source leak tests for Cardiovascular Associates, West Bloomfield.

Please note that the Co-57 flood source was returned to the manufacturer after my visit on March 13, 2008, but before my visit on June 27, 2008. It is noted on the June cover letter that the return information (wipes, surveys) were on file as required. I also requested that the facility obtain a confirmation of receipt from the manufacturer. Additionally, you will see a note on the inventory page from June that the Co-57 source was returned. There was no leak test to be performed because the source had been returned.

If you need a copy of the confirmation of receipt for the returned flood source, please contact Diane Dormal of Cardiovascular Associates at 248-357-5366 as those records are on file at the facility.

Thank you for your time. If you need additional assistance please feel free to contact me.

A handwritten signature in black ink, appearing to read "Cari Dzanbazoff".

Cari Dzanbazoff, BS, MBA
Medical Physics Consultants, Inc.
734-662-3197

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Medical Physics Consultants, Inc.

Sealed Source Leak Test

Licensee: Cardiovascular Assoc. (West Bloomfield)

Date: 03/13/08

Performed by: Cari D. ranbazoff

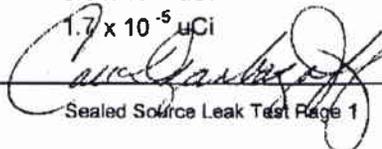
Nuclide	Type	Calibration		Location	M/N	S/N
		Activity	Date			
Cs-137	Vial	298.8 uCi	05/01/81	Hot Lab	CDC.VI	3147MA
		Current Activity: 160.6 uCi				
Ba-133	Vial	269.7 uCi	02/01/02	Hot Lab	IPL	788-63-
		Current Activity: 190.3 uCi				
Co-57	Flood	10 mCi	08/01/04	Hot Lab	PF16R05710M	1069-072
		Current Activity: 0.345 mCi				

Comment: The sources listed above were leak tested using a dry wipe technique and were found to have less than 0.005 uCi removable activity. The following Minimum Detectable Activities are based upon a background at the indicated value. Background was at or below these levels when the above tests were completed

Well Counter: Captus 3000

Nuclide	MDA	Background
Cs-137	2.0×10^{-4} uCi	145 counts/1 min
Ba-133	8.8×10^{-5} uCi	204 counts/1 min
Co-57	1.7×10^{-5} uCi	53 counts/1 min

RADIATION SAFETY OFFICER:





June 27, 2008

Diane Dormal, CNMT
Cardiovascular Associates, P.C.
27177 Lahser Road, Suite 103
Southfield, MI 48034

Dear Diane:

Enclosed, please find the report on the evaluation of your Nuclear Medicine Department at the **West Bloomfield Facility**. This second quarter inspection was conducted on **June 27, 2008**. Comments and recommendations concerning licensed activities are listed below.

DOCUMENTS AND NOTICES

Please file the inspection report and supplements from March in the MPC binder (at West Bloomfield) when you have access to the binder.

PERSONNEL MONITORING

Landauer radiation dosimetry reports past 12/19/08 were not available for review. Please file the reports in the MPC binder (at West Bloomfield) when you have access to the binder.

Nuclear medicine personnel exposures available for review were below the ALARA Level I limits of 125 mrem/quarter for the whole body, 1250 mrem/quarter for the extremity and skin, and 375 mrem for the lens of the eye.

PERFORMANCE AND DOCUMENTATION OF REQUIRED PROCEDURES

I have enclosed Leak Test Certificates for those sources within Nuclear Medicine and a Nuclear Medicine Sealed Source Inventory. I have reviewed and signed these as required.

There were no records of radioactive spills this quarter.

There were no records of accidental radiopharmaceutical administrations this quarter.

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Cardiovascular Associates - West Bloomfield

Second Quarter, 2008

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Wipe and survey information for the returned Co-57 flood source (s/n 1069-072) was on file as required. Please obtain a confirmation of receipt from the manufacturer for the returned source. The confirmation of receipt must be kept for the duration of the license.

DOSE CALIBRATOR TESTING

An Accuracy test for the dose calibrator was performed on this date. A signed certificate is enclosed.

A Linearity test for the dose calibrator was not performed on this date since patient studies are not being performed.

If you have any questions or concerns regarding this report, please contact me at 734-662-3197. My next visit is tentatively scheduled for **September 19, 2008**. It is a pleasure to be of service.

SCINTILLATION CAMERA EVALUATION

The Philips CARDIO MD has been moved to the Southfield facility. There is no camera at the West Bloomfield site to evaluate at this time.

Sincerely,

A handwritten signature in cursive script, appearing to read "Cari A. Dzanbazoff".

Cari A. Dzanbazoff, BS, MBA
Radiation Safety Officer
Medical Physics Consultants, Inc

Nuclear Medicine Technologist _____ Date _____

Medical Physics Consultants, Inc

Sealed Source Inventory

Licensee: Cardiovascular Assoc. (West Bloomfield)

Date: 06/27/08

Performed by: Cari Dzanbazoff

Nuclide	Type	Calibration		Location	M/N	S/N
		Activity	Date			
Cs-137	Vial	298.8 uCi	05/01/81	Hot Lab	CDC.VI	3147MA
Current Activity:		159.5 uCi				
Ba-133	Vial	269.7 uCi	02/01/02	Hot Lab	IPL	788-63-1
Current Activity:		176.9 uCi				
Co-57	Flood	10 mCi	08/01/04	Hot Lab	PF16R05710M	1069-072
Current Activity:		0.263 mCi (Picked up by Medi Nuclear)				
Cs-137	Rod	500 nCi	01/07/04	Hot Lab	IPL	1034-32-5
Current Activity:		450.9 nCi				

SEALED SOURCE AMBIENT EXPOSURE SURVEY

Meter: Victoreen GM

Max Reading 0.02 mR/hr

RADIATION SAFETY OFFICER:

Cari Dzanbazoff

Medical Physics Consultants, Inc

Sealed Source Leak Test

Licensee: Cardiovascular Assoc. (West Bloomfield)

Date: 06/27/08

Performed by: Cari Dzanbazoff

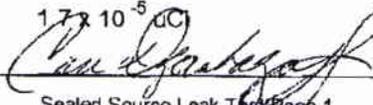
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		Activity	Date			
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		Current Activity: 159.5 uCi				
Ba-133	Vial	269.7 uCi	02/01/02	Hot Lab	IPL	788-63-1
		Current Activity: 176.9 uCi				

Comment: The sources listed above were leak tested using a dry wipe technique and were found to have less than 0.005 uCi removable activity. The following Minimum Detectable Activities are based upon a background at the indicated value. Background was at or below these levels when the above tests were completed.

Well Counter: Captus 3000

Nuclide	MDA	Background
Cs-137	2.0×10^{-4} uCi	145 counts/1 min
Ba-133	8.8×10^{-5} uCi	204 counts/1 min
Co-57	1.7×10^{-5} uCi	53 counts/1 min

RADIATION SAFETY OFFICER:



Medical Physics Consultants, Inc

Sealed Source Leak Test

Licensee: Cardiovascular Assoc. (West Bloomfield)

Date: 09'18/08

Performed by: Cari Dzanbazoff

Nuclide	Type	Calibration Activity	Calibration Date	Location	M/N	S/N
Cs-137	Vial	298.8 uCi	05/01/81	Hot Lab	CDC.VI	3147MA
		Current Activity: 158.7 uCi				
Ba-133	Vial	269.7 uCi	02/01/02	Hot Lab	IPL	788-63-1
		Current Activity: 174.3 uCi				

Comment: The sources listed above were leak tested using a dry wipe technique and were found to have less than 0.005 uCi removable activity. The following Minimum Detectable Activities are based upon a background at the indicated value. Background was at or below these levels when the above tests were complete.

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RADIATION SAFETY OFFICER: _____

