



CARDIOLOGY DIAGNOSTICS, LTD.

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Martin Schwarze, D.O., President
Cardiology Diagnostics, Ltd.
3009 N. Ballas Road, Ste. 214
St. Louis, MO 63131

United States Nuclear Regulatory Commission
Region III
801 Warrenville Road
Lisle, Illinois 60532-4351

September 30, 2010

To Whom It May Concern:

Termination of NRC License No.: 24-32314-01

This is a request to terminate NRC License No.: 24-32314-01:

Please terminate NRC License No.: 24-32314-01, "Cardiology Diagnostics, Ltd." at 2325 Dougherty Ferry Road, St. Louis, MO 63122. Submitted is a Decommissioning Report in accordance with documentation found in NUREG-1757, Vol. 1, Rev. 2.

Should there be any further needed information or clarification, please direct questions to our Medical Physicist, John J. Chorzel, M.S., DABR, at 314-653-5810.

Sincerely,

Martin Schwarze, D.O., President
Cardiology Diagnostics, Ltd.

Martin W. Schwarze, D.O., F.A.C.C.

Gary Vlahovich, D.O., F.A.C.C.

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Lisa Schiller, M.D.

Ann Davis, R.N., B.C., A.C.N.P., A.N.P.

MaryAnn Von Feldt, R.N., B.C., A.N.P.

Nancy Giaimo, R.N., B.C., F.N.P.

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Cardiology Diagnostics, Ltd.
Nuclear Medicine – Restricted to Cardiovascular Clinical Studies
Rooms: Stress Lab, Imaging Room, Hot Lab

Decommissioning Report

September 30, 2010

The following information is submitted for release of Nuclear Medicine Rooms: Stress Lab, Imaging Room, and Hot Lab for unrestricted use.

1) Isotopes Used:

| <u>Isotope</u> | <u>Type</u> | <u>Form</u> | <u>Quantity</u> |
|----------------|-------------|--------------|-----------------|
| Tc99m | Diagnostic | liquid | NA |
| Tl201* | Diagnostic | liquid | NA |
| Co57 | Calibration | Solid/Sealed | <1 mCi, 10mCi |
| Cs137 | Calibration | Solid/Sealed | <1 mCi |
| Ba133 | Calibration | Solid/Sealed | <0.5 mCi |

*note, none used since June 2010

Co57 and Ba133 calibration sources "rental" only from radiopharmacy

2) Neither major nor minor spills have occurred.

3) No sources were determined to be leaking in this area.

4) Final Surveys (attachment 2a)

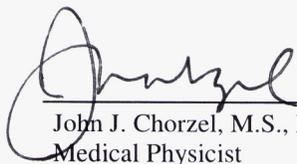
5) Survey Instrumentation

a) Survey Meter: Ludlum 3 sn: 177661
Detector: EWGM
Calibration: 09/2010
Check Source: 1.0mR/hr (x1 scale)
Meter Display: 0-2 mR/hr

b) Wipe Test Counter: Capintec CRC-15W sn: 170237
Efficiency: 0.80

6) Maps (attachment 2b)

7) Disposition of Materials (attached is FORM 314, "Certification of Disposition of Materials")


John J. Chorzel, M.S., DABR
Medical Physicist

ATTACHMENT 2a

Decommissioning Survey

Cardiology Diagnostics, Ltd.

September 30, 2010

Equipment Used for Survey

Survey Meter: Ludlum 14C #177661
Calibrated 9/2010

Wipe Test: CRC-15W #170237
Efficiency: 0.80

Results

| Location | Survey (mR/hr) | Wipe Test (dpm/100cm ²) |
|-------------------|----------------|-------------------------------------|
| Key 1 - Floor | <0.03 | <background |
| Key 2 - Floor | <0.03 | <background |
| Key 3 - Injection | <0.03 | <background |
| Key 4 - Imaging | <0.03 | <background |
| Key 5 - Floor | <0.03 | <background |
| Key 6 - Floor | <0.03 | 21 |
| Key 7 - Bench | <0.03 | 38 |
| Key 8 - Sink | <0.03 | 34 |
| Key 9 - Treadmill | <0.03 | 87 |
| Key 10 - Floor | <0.03 | <background |

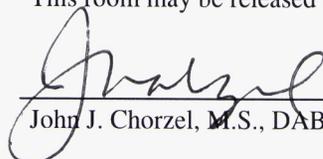
Surveys at 1cm from surface.

Background = < 0.03 mR/hr survey, 589 cpm wipe counter

Conclusion

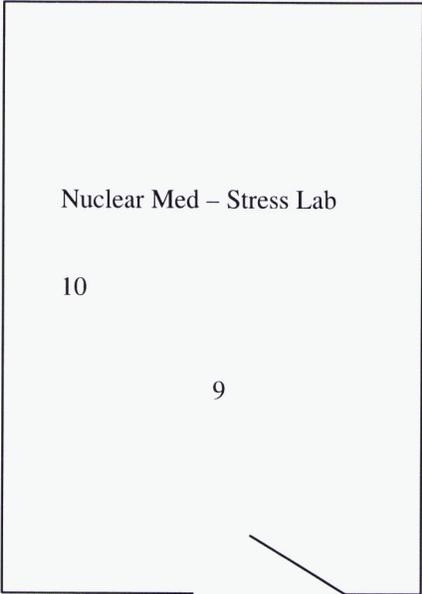
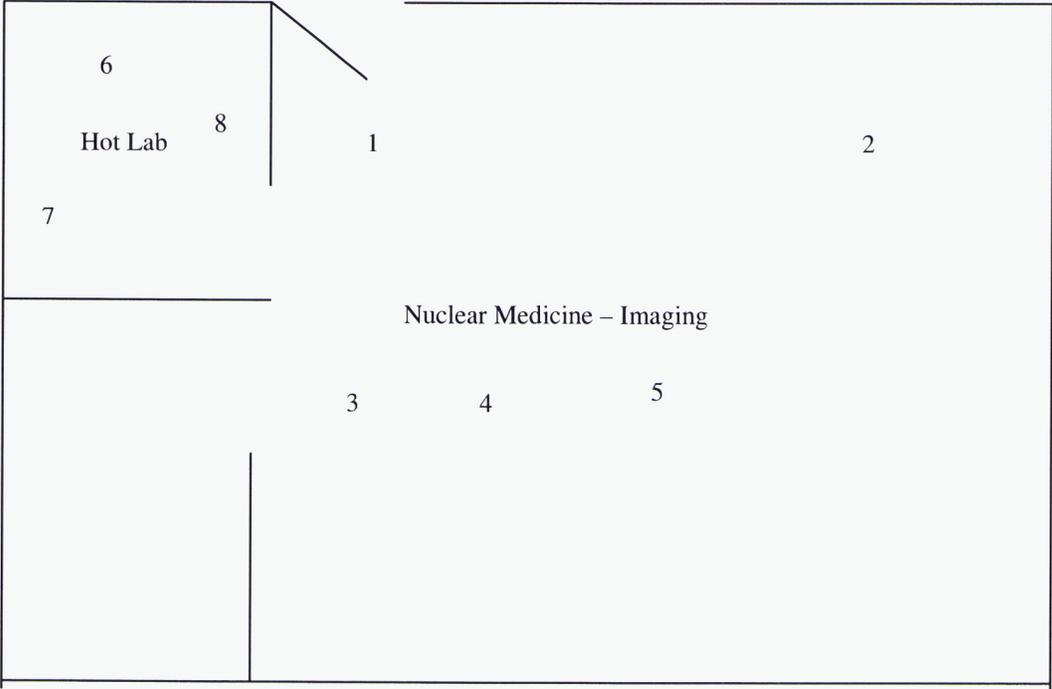
Radiation surveys and removable contamination levels are below release criteria for these isotopes.

This room may be released for unrestricted use pending NRC approval.



John J. Chorzel, M.S., DABR

ATTACHMENT 2b



CERTIFICATE OF DISPOSITION OF MATERIALS

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NE0B-10202, (3150-0028), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

LICENSEE NAME AND ADDRESS

Cardiology Diagnostics, Ltd.
2325 Dougherty Ferry Road
St. Louis, MO 63122

LICENSE NUMBER

24-23214-01

DOCKET NUMBER

LICENSE EXPIRATION DATE

10/31/2011

A. LICENSE STATUS (Check the appropriate box)

- This license has expired. This license has not yet expired; please terminate it.

B. DISPOSAL OF RADIOACTIVE MATERIAL

(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

1. No radioactive materials have ever been procured or possessed by the licensee under this license.
2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner.
- a. Transfer of radioactive materials to the licensee listed below:
24-11128-02
- b. Disposal of radioactive materials:
1. Directly by the licensee:
Waste decayed to background (Tc99m), disposed to trash 9/30/2010
2. By licensed disposal site:
3. By waste contractor:
- c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

C. SURVEYS PERFORMED AND REPORTED

1. A radiation survey was conducted by the licensee. The survey confirms:
- a. the absence of licensed radioactive materials
- b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.
2. A copy of the radiation survey results:
- a. is attached; or b. is not attached (Provide explanation); or c. was forwarded to NRC on: _____ Date
3. A radiation survey is not required as only sealed sources were ever possessed under this license, and
- a. The results of the latest leak test are attached; and/or b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

| NAME | TITLE | TELEPHONE (Include Area Code) | E-MAIL ADDRESS |
|-----------------------------------|--------------------------|-------------------------------|----------------|
| John J. Chorzel, M.S, DABR | Medical Physicist | (314) 809-7511 | |

Mail all future correspondence regarding this license to:

Cardiology Diagnostics, Ltd. 3009 N. Ballas Road, Ste. 214/Building B St. Louis, MO 63131

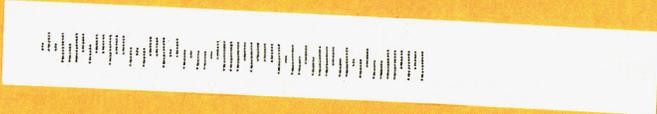
C. CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

| PRINTED NAME AND TITLE | SIGNATURE | DATE |
|---|--|-----------------|
| Martin Schwarze, D.O., President |  | 10/21/10 |

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CARDIOLOGY DIAGNOSTICS
3009 N. BALLAS ROAD, SUITE 214
ST. LOUIS, MO. 63131



UNITED STATES NUCLEAR REGULATORY COMMISSION
REGION III
2443 WARRENVILLE ROAD
LISLE, ILLINOIS 60532-4352

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ATT: DIVISION OF NUCLEAR MATERIALS SAFETY