

Virginia Cardiovascular Consultants

November 25, 2006

Br. 2

U.S. Nuclear Regulatory Commission
ATTN: Brian A. Parker, Radiation Specialist
Region II Sam Nunn Atlanta Federal Center
61 Foyth Street, S.W., Suite 23T85
Atlanta, Georgia 30303-8931
(404) 562-4400

Mr. Parker,

1 RLS

03036490

Please amend our license #45-30875-0~~1~~ for the following changes:

1. Remove suite 280 from our license. All materials were removed on Tuesday, August 15, 2006. They were relocated to Suite 220. A closeout survey was performed as you will see on the following page. Also any remaining contamination would have decayed because all we possess is Technetium 99m. I have also enclosed the June 2006 Leak Test report of our sealed sources.

If you have any questions or need any further documentation, please contact me at 804-445-4461 or 804-443-6044

Sincerely,



Debra A. Acors, AS, CNMT, NCT, RT(R)
Nuclear Medicine Technologist
Radiation Safety Officer

2006 DEC -4 AM 10:43
RECEIVED
REGION I

139796

(Ref. 139331)

REPORT OF LEAK TEST

Virginia Cardiovascular Consultants
 1201 Sam Perry Blvd., Suite 280
 Fredericksburg, Virginia 22401

The following sources were leak tested for removable radioactive contamination using the wipe test method. The wipes were then counted in either an Eberline Gas Proportional Counter, an Packard Liquid Scintillation Counter, or a NaI Crystal Well Counter with Multichannel Analyzing capabilities. Minimum Detectable Activities (MDA) are determined by using calibration sources and appropriate mathematical models.

$$MDA = \frac{2.72}{t_{gross}} + 3.30 \left[\frac{R_{bkg}}{t_{bkg}} \left[1 + \frac{t_{bkg}}{t_{gross}} \right] \right]^{1/2}$$

RESULTS

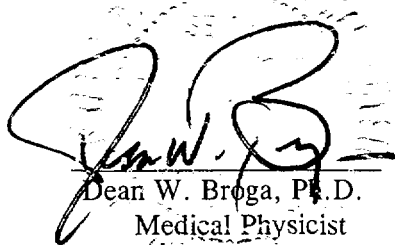
| Source s/n | Activity Date | BKG cpm | Gross cpm | Net cpm | Results uCi | MDA uCi |
|--------------------------------|------------------------|------------|--------------|------------|----------------|------------|
| Co-57 E-Vial 1047-46-32 | 5.456 mCi 5/1/04 | 22 | 23 | 1 | 2.49e-06 | 1.36e-05 |
| Co-57 Flood 1059-019 | 10.0 mCi 5/1/04 | 23 | 21 | -2 | 8.10e-07 | 1.39e-05 |
| Cs-137 E-Vial 1047-43-10 | 201 uCi 5/1/04 | 11 | 13 | 2 | 2.31e-05 | 9.18e-05 |

The results are reported in uCi as either less than or positive "+." Less than refers to the lowest value to which statistical confidence can be assigned (95% confidence level used). The following relationships are used to make this determination:

$$R_s \leq L_c \text{ Less Than } R_s \pm 1.65 \left[\frac{R_{gross}}{t_{gross}} + \frac{R_{bkg}}{t_{bkg}} \right]^{1/2}$$

$$R_s > L_c \text{ Result Positive } R_s \pm 1.96 \left[\frac{R_{gross}}{t_{gross}} + \frac{R_{bkg}}{t_{bkg}} \right]^{1/2}$$

May 5, 2006
Date


 Dean W. Broga, Ph.D.
 Medical Physicist

6-6-06
Date









 Radiation Safety Officer

- Certified -

Location: Virginia Cardiovascular Consultants
 1201 Sam Perry Blvd., Suite 280
 Fredericksberg VA 22553
 Nuclear Cardiology VCC

Test Date/Time: 08/11/2006 11:26

Next Due: 11/9/06

| Source Inventory: | | | | | |
|--------------------------|---------------------|-------------|---------------------|-------------------------|---|
| Type | Mfgr | Calib. date | Serial number | Source location | Verified by: |
| Description | | Nominal | Current act. | | |
| Model number | | Activity | Last leak test date | | |
| Co-57 | BENCHMARK | 6/2/06 | BM09100201 | Hot Lab |  |
| Flood Field Source | | 10.00 | 8.35 mCi | | |
| BM09-10 | | | 5/2/06 | | |
| Co-57 | ISOTOPE PRODUCTS | 3/6/06 | 1145-42-16 | HOT LAB |  |
| Vial Reference Srce | | 5.56 | 3.71 mCi | | |
| VIAL SRV-057-5M | | | 2/8/06 | | |
| Cs-137 | SPECTRUM | 3/1/04 | 634 | hot lab |  |
| Disk Source | | 1.00 | 0.95 uCi | | |
| Cs-137 | SPECTRUM | 3/1/04 | 611 | hot lab |  |
| Disk Source | | 1.00 | 0.95 uCi | | |
| Cs-137 | SPECTRUM TECHNIQUES | 08/04 | 2789 | Ludlum 14C Survey Meter |  |
| Disk Source | | 1.00 | 0.96 uCi | | |
| Cs-137 | SYNCOR | 5/1/04 | 1047-43-10 | hot lab |  |
| Vial Reference Srce | | 0.20 | 190.75 uCi | | |
| | | | 8/16/05 | | |
| Cs-137 | IPL | 2/1/98 | 578-13-12 | hot lab |  |
| Rod Source | | 0.11 | 0.09 uCi | | |
| | | | 8/16/05 | | |

Comments and Recommendations:

Inventory test performed pre and post move of hot lab from suite 280 to suite 220

Performed by: Debra Acors

Radiation safety officer: 

This is to acknowledge the receipt of your letter/application dated

11/25/2006, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment 45-30875-01
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 139796.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.