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J-6

TO: Nuclear Regulatory Commission Attn: Dennis Lawyer

FROM: Marcella Greene, CNMT, NCT

DATE: 3/8/06

FAX #: (610) 337-5393

Total number of pages 3 (including this cover sheet)



Thank you.

Marcella Greene, CNMT, NCT
Additional comments:

03035775

RE: Mail Control Number: 138456 License No: 45-25571-01

In response to your message dated 3/6/06, we are attaching a copy of an e-mail message addressed to you from our consulting health physicist, Dr. Dean Broga, and a copy of the corrected leak test report.

Sincerely,
Marcella Greene 138456

From: Doan W. Broga, Ph.D.
To: RCA Marcella Greene
Subject: FW: RCA Leak Tests
Date: Wed, 8 Mar 2006 09:59:59 -0500
Files: RCA.Feb.06.pdf (10K)

Dennis,

<|endif>

RE: Termination of Richmond Cardiology's Old Office Space - NRC License Number: 45-25571-01

<|endif>

There was a typo in the background for Cs-137 that we all missed in our rush to get you the report. It should have been 11 as noted on the corrected copy that is attached. I did not get to hear your questions but Marcella indicated that you questioned why the results are large than the MDA. The calculations are based on NBS SP458 "The Minimum-Detectable-Activity Concept". For reporting the Less-Than Level is recommended which is the maximum true count-rate that a sample could have. This statistic depends on the net count and the standard deviation of the gross count. The MDA does not include the net count and uses the standard deviation of background. Both use the one-sided confidence interval with a coincidence factor of 1.65. Depending on the statistics and the background counts, the results can be greater than or less than the MDA. The differences appear more exaggerated as the efficiency of detection decrease, amplifying the net difference. In any case, all of the reported results are significantly below the SE-3 uCi required leak test MDA. If you still have questions after reviewing this report, please E-mail or call me.

<|endif>

Again, sorry about the TYPO and the confusion.

<|endif>

DWB

Doan W. Broga, Ph.D.
Certified Medical Physicist
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<|endif>

REPORT OF LEAK TEST

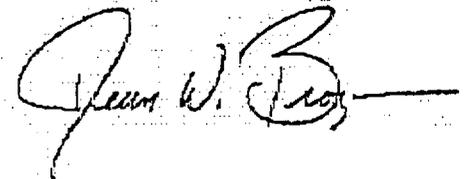
Richmond Cardiology Associates
8243 Meadowbridge Road
Mechanicsville, Virginia 23116

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

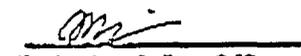
RESULTS

Source s/n	Activity Date	BKG cpm	Gross cpm	Net cpm	Results uCi	MDA uCi
Co-57 E-Vial 10480	7.048 mCi 7/1/01	21	24	3	3.08e-05	1.33e-05
Co-57 Flood Source 1069-016	10.0 mCi 8/1/04	21	23	2	2.96e-05	1.33e-05
Cs-137 E-Vial 11342	208 uCi 8/1/01	11	13	2	1.52e-04	9.18e-05

February 20, 2006
Date



3/7/6
Date


Radiation Safety Officer