

March 1, 2008⁶₂₁₄

J-6

U.S. Nuclear Regulatory Commission
LAT - Division of Nuclear Materials Safety, Region I
475 Allendale Road
King of Prussia, PA 19406

FAX (610) 337-5393

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

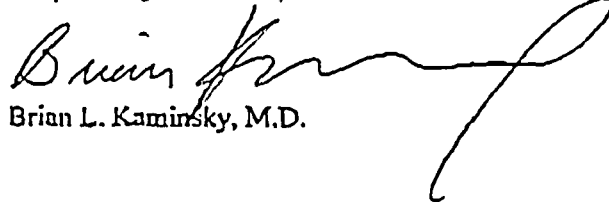
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The licensed material used for patient use at Richmond Cardiology Associates is Tc-99m. As of Wednesday, February 15, 2006, we discontinued use of Tc-99m for patient use at our licensed location at 8201 Alice Road, Suite D, Mechanicsville, VA, 23116. On that day, all storage bins containing waste contaminated with Tc-99m were closed for decay and storage. These containers were stored for a minimum of ten half-lives. On Saturday, February 18, 2006, the storage bins were surveyed, and found to be at or below background radiation levels.

In addition, a termination contamination and exposure survey of this area was performed on Monday, February 20, 2006, as well as leak tests of the calibration sources that were transferred to our new location. The termination contamination and exposure survey was previously sent and we have attached a copy of the leak tests.

If there are additional questions regarding this request, please contact Marcelle Greene at 804 417-1025.

Respectfully submitted,


Brian L. Kaminsky, M.D.

138456

NMSS/RCIN MATERIALS-002

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 Eserline Gas Proportional Counter, an Packard Liquid Scintillation Counter, or a Nal 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	121	13	-108	4.70e-04	2.73e-04

February 20, 2006

Date


Dean W. Briggs, Ph.D.
Medical Physicist

3/2/6

Date


Radiation Safety Officer