INOVA® LOUDOUN HOSPITAL

Radiation Oncology Center
44035 Riverside Parkway, Suite 100
Leesburg, Virginia 20176

Tel 703-858-8850
Fax 703-858-8870

April 18, 2008

NMSS

US Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406

Attn: Medical Licensing Section 03011672

Re: NRC License # 45-16806-01

Dear Sir/Madam:

In reference to the above-cited RML, we wish to remove the Cs-137 sealed sources for low dose rate brachytherapy from our license. The sources have been removed and are being shipped to the Barnwell storage facility in South Carolina. Enclosed is the most recent leak test and inventory of the sources performed on December 4, 2007 and confirmation of receipt of the sources from RAM Services of Two Rivers, Wisconsin.

The area will not be released for unrestricted use until we receive written notification from your office.

We have previously submitted an amendment request for relocation of the storage area for the Cs-137 sources. We will no longer need to amend our license for this action.

Sincerely,

Susan Carroll
Chief Operating Officer

Cc: Punam Dutt, Director of Oncology
Deirdre Cahill, Director of Diagnostic Imaging

Encl: Inventory and Leak Tests of 12/07, Confirmation of Receipt of Sealed Sources

142338

RAM Services, Inc.

16 April 2008

Ms Punam Dutt,
Director
INOVA Loudoun Hospital
Radiation Oncology Center
44035 Riverside Parkway
Leesburg, VA 20176

Dear Ms Dutt:

RAM Services, Inc. is providing this letter to advise you the radioactive materials identified below have been received at RAM Services, Inc. on 16 April 2008. We have taken possession of these materials under our State of Wisconsin Radioactive Materials License Number 071-1234-01.

Manufacturer	Model	Serial Number	Isotope	Calibrated Activity	Calibration Date
3M	6501	08125	Cs-137	27.20	9/9/1991
3M	6501	08135	Cs-137	27.20	9/9/1991
3M	6501	08175	Cs-137	27.20	9/9/1991
3M	6501	08233	Cs-137	27.20	9/9/1991
3M	6502	06103	Cs-137	40.50	9/10/1991
3M	6502	06132	Cs-137	40.40	9/10/1991
3M	6502	06161	Cs-137	40.40	9/11/1991
3M	6503	04584	Cs-137	51.70	9/11/1991
3M	6503	04588	Cs-137	51.70	9/11/1991
Medi Phys	CDC.T1	HF 213	Cs-137	53.26	1/17/2002
Medi Phys	CDC.T1	HF 330	Cs-137	56.50	1/17/2002

Please retain this letter in your permanent files as documentation of the proper transfer of these materials. Do not hesitate to contact me with any questions which may arise.

Sincerely,

Jerry P. Wiza

Jerry P. Wiza,
Radiation Safety Officer

AMP

Associates in Medical Physics, L.L.C.

7505 Greenway Center Dr., Suite 003
Greenbelt, MD 20770
Tele: 301-220-3580
Fax: 301-220-3519

Sealed Source Inventory and Leak Test Report
Loudoun Hospital Center

44045 Riverside Parkway
Leesburg, VA 20176
December 4. 2007

The sealed sources listed below were inventoried on the above date. All sealed sources are secured for storage in the cesium vault whenever not in use. Sources required to be leak tested were also surveyed for removable contamination. Each sample was analyzed for radioactivity with a minimum detection level <0.005 uCi. The results of this analysis as posted in the far right column for each applicable sealed source containing an calibrated activity >100 uCi for gamma/beta emitting isotopes (or >10 uCi for alpha emitting isotopes).

	Isotope	Source Shape/ Color/ID	Manufacturer	Model	Serial Number.	Calibrated Activity (mCi-App)	Calibration Date	Expected Activity at Inventory	Measured	Accuracy *(Measured Diff./ Expected)*	Leak Test Results (uCi)	Note
1.	Cs-137	Tube/Green	3M	6501	08125	27.2 mCi	9/9/1991	18.9 mCi			<0.005	
2.	Cs-137	Tube/Green	3M	6501	08135	27.2 mCi	9/9/1991	18.9 mCi			<0.005	
3.	Cs-137	Tube/Green	3M	6501	08175	27.2 mCi	9/9/1991	18.9 mCi			<0.005	
4.	Cs-137	Tube/Green	3M	6501	08233	27.2 mCi	9/9/1991	18.9 mCi			<0.005	
5.	Cs-137	Tube/Yellow	3M	6502	06103	40.5 mCi	9/10/1991	28.1 mCi			<0.005	
6.	Cs-137	Tube/Yellow	3M	6502	06132	40.4 mCi	9/10/1991	28.1 mCi			<0.005	
7.	Cs-137	Tube/Yellow	3M	6502	06161	40.4 mCi	9/10/1991	28.1 mCi			<0.005	
8.	Cs-137	Tube/Red-Orange	3M	6503	04584	51.7 mCi	9/11/1991	35.9 mCi			<0.005	
9	Cs-137	Tube/Red-Orange	3M	6503	04588	51.7 mCi	9/11/1991	35.9 mCi			<0.005	
10	Cs-137	Tube/Unpainted	Medi phys	CDC.T1	HF 213	53.26 mCi	1/17/2002	47.0 mCi			<0.005	
11	Cs-137	Tube/Unpainted	Medi phys	CDC.T1	HX 330	56.5 mCi	1/17/2002	49.8 mCi			<0.005	

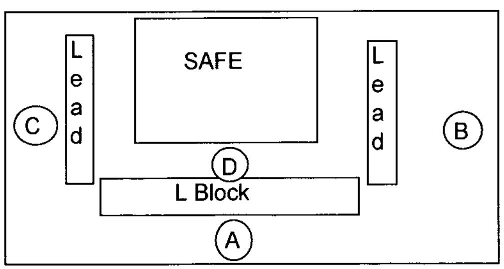
An area survey was conducted around the safe area with the safe drawers closed. A Ludlum 14C survey meter (S/N 137100, calibrated 6/18/07) was used for exposure measurements. Measured rates were as follows:

Bkgd = 0.01 mR/hr
A = 0.02 mR/hr

B = 0.03 mR/hr

C = 0.02 mR/hr

D = 0.90 mR/hr



Radiation Safety Officer Date

Frederick Rustad, M.S.
Medical Physicist

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

4/18/2008, and to inform you that the initial processing which includes an administrative review has been performed.

☑ AMEND. 45-16806-01

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

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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** 142338.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI)
(6-96)

Sincerely,
Licensing Assistance Team Leader