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October 31, 2005

U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

Attention: Nuclear Material Licensing Assistance Team

RE: Amendment request for NRC License No. 37-01548-01 03002987
(Lehigh Valley Hospital, 1200 South Cedar Crest Blvd, Allentown, PA)

Please add to our radioactive materials license No. 37-01548-01 Alex Cardenas, Ph.D. and
Sylvana Oliveira, M.S. as authorized medical physicists for use under 10 CFR 35.600
(specifically, therapeutic applications of HDR afterloader units).

Enclosed are letters of attestation from John Niemkiewicz, Ph.D., Chief Radiation Oncology
physicist for this license, regarding the competencies of these individuals in the performance of
HDR physics procedures. He, along with the RSO for this license, Cynthia Goodman Mumma,
M.S., M.S.E., have supervised these individuals in the requisite tasks delineated in 10 CFR 35.51
and 35.604, 35.610, 35.615, 35.630, 35.633, 35.643, 35.652, and 35.657.

Please contact us at 610.402.8386 if you have any questions concerning this request.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark Holtz", written over a horizontal line.

Mark Holtz, Senior Vice President

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RECEIVED



137941
NMSS/RGNI MATERIALS-002



October 10, 2005

To whom it may concern:

This is a letter of attestation required by Title 10 CFR 35.51 in order to have Silvana Oliveira added to our NRC license as an authorized medical physicist for HDR use.

Silvana graduated from McGill University in June, 2003 with a Masters of Science in Medical Physics.

She received training on both the HDR Afterloader unit itself and the Verisource treatment planning system. This training was given by the Vendor (Varian Medical Systems) on-site October 20-22, 2004. The training included hands-on operation, safety procedures, clinical use, and proper use of the treatment planning system.

Silvana has also been involved with the performance of daily spot checks, full calibrations, and the clinical treatment of over twenty patient treatments under my supervision since starting her full-time employment here on September 15, 2003.

The experience and training outlined above satisfies 10 CFR 35.51 (c) and (a), (1) and (2).

Finally, in my opinion, she has reached a level of competency sufficient to function independently as an authorized medical physicist for any HDR activities including treatment procedures.

I am on materials license number 37-01548-01 as an authorized medical physicist for Ir-192 in an HDR unit.

Sincerely,

A handwritten signature in black ink that reads "John Niemkiewicz". The signature is fluid and cursive.

John Niemkiewicz, Ph.D., DABR
Chief Physicist, Radiation Oncology
Lehigh Valley Hospital
Allentown, PA 18103





October 28, 2005

To whom it may concern:

This is a letter of attestation required by Title 10 CFR 35.51 to have Alex Cardenas added to our NRC license as an authorized medical physicist for HDR use.

Alex graduated from Perdue University in June, 2002 with a Ph.D. in Physics. He followed this with two years of post-doctoral fellowship training in Medical Physics at The University of Texas M.D. Anderson Cancer Center in Houston, Texas.

His High-Dose-Rate (HDR) Afterloading training included both the HDR Afterloader unit itself and the Verisource treatment planning system. This training was given by the Vendor (Varian Medical Systems) on-site during October 20-22, 2004. The training included hands-on operation, safety procedures, clinical use, and proper use of the treatment planning system.

Alex has also been involved with the performance of daily spot checks, full calibrations, decay corrections, and the clinical treatment of more than ten patient treatments under my supervision since starting his full-time employment here on May 17, 2004. In addition, Cynthia Goodman-Mumma has supervised his participation in sealed source leak tests, source inventory, and radiation surveys around the HDR remote afterloading unit and treatment room.

The experience and training outlined above satisfies 10 CFR 35.51 (b) (1) and (c).

Finally, in my opinion, Alex has reached a level of competency sufficient to function independently as an authorized medical physicist for any HDR activities including treatment procedures.

I am on materials license number 37-01548-01 as an authorized medical physicist for Ir-192 in an HDR unit and Cynthia Goodman-Mumma is listed on the same license as the Radiation Safety Officer.

Sincerely,

A handwritten signature in black ink, appearing to read "John Niemkiewicz".

John Niemkiewicz, Ph.D., DABR
Chief Physicist, Radiation Oncology
Lehigh Valley Hospital
Allentown, PA 18103



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

10/31/2005, and to inform you that the initial processing which includes an administrative review has been performed.

☒ Amendment 37-01548-01 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** 137941.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.