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BON SECOURS CANCER INSTITUTE
Bon Secours Richmond Health System

Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415

March 8, 2007

Subject: Amendment Request
License # 45-25187-01

03032638

Dear NRC:

The letter is to request an amendment to our NRC License #45-25187-01. We request the amendment to read as follows:

1. Add Brandon K. Rice, MS, Medical Physicist as an Authorized Medical Physicist for the Iridium-192 High Dose Rate Remote Afterloader Unit for calibrations, spot-checks, and training. Documentation of Brandon's training is attached.
2. Remove Marcus A. Gilbert, M.S. as an Authorized Medical Physicist.
3. Remove John Curtis Chinault, Jr., M.D. as an Authorized User for Iridium -192 High Dose Rate Remote Afterloader.

Any questions regarding the above matter should be directed to the Radiation Safety Officer for this license, Van H. McComas, cell phone 757-876-0734.

Sincerely,

Van H. McComas, MS. DABR
Consulting Medical Physicist
Radiation Safety Officer

140203

NMSS/RGN1 MATERIALS-002

McComas Enterprises Inc.

Van H. McComas, MS, DABR

Medical Physics Consultant

Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415

March 8, 2007

This letter is to document the training and experience of Brandon K. Rice, MS, as an Authorized Medical Physicist for Ir-192 in a High Dose Rate Remote Afterloader Unit for calibrations, spot-checks, and training in accordance with 10 CFR Part 35.51 (b) (1) & (2).

Brandon completed his Master Degree in Medical Physics from the University of Florida in May, 2005 (Diploma date August 2005). This degree included a six month clinical rotation in therapeutic radiological physics. Brandon has been working under my supervision since July, 2005 at both St. Francis Radiation Oncology and Richmond Radiation Oncology Center, where we have Nucletron HDR units. Since July 2005 through today, Brandon has completed the requirements of 10 CFR 35.57 for 1 year of full-time training in medical physics and an additional year of full-time work experience under the supervision of an individual who meets the requirements for an authorized medical physicist. Since July 2005, Brandon has participated in 9 source exchanges, 22 monthly spot-checks, over 60 HDR treatment plans, and over 150 HDR treatments (that would also include over 150 radiation safety surveys). In accordance with 10 CFR 35.51 his training should also include leak testing of radioactive sources. The iridium source is not leaked tested by the medical physicists however; Brandon has participated in the wipe tests of the source container and has participated in seal source leak testing of cesium-137 at St. Mary's Radiation Oncology as well as inventory of these sources as part of his brachytherapy training. As part of his training, Brandon has performed decay calculations of the iridium source. As part of his training he has performed not only monthly spot-checks but quarterly and annually calibrations, as outlined above with the nine source exchanges.

In July of 2006 Bon Secours opened their newest radiation therapy center at St. Francis. I placed Brandon as the primary medical physicist for that center. His duties, some of which did not include HDR work, were to bring this center on-line that included a Varian linear accelerator with both high energy photons and electrons, a Siemens CT unit, as well as the Nucletron High Dose Rate Afterloader. Brandon was responsible for verifying the shielding calculations for the accelerator, CT, and the HDR vaults as well as performing the radiation safety survey for the three vaults after the accelerator, CT, and HDR units were installed. Brandon has performed the calibration check of all the new sources at St. Francis for the HDR unit, (four sources to date), as well as performing all the treatment plans, autoradiogram for all the catheters and transfer tubes, and all radiation safety surveys for patients under treatments. All this work has been done with little supervision from me. That is to say, he needs little supervision as an Authorized Medical Physicist.

Brandon has passed Part I of the American Board of Radiology examination for Therapeutic Radiological Physics. I have no doubt that he will pass both Part II and the Oral Exam for the ABR when he is allowed to sit for these. I consider Brandon a senior medical physicist in my consulting company and have given him more and more responsibilities as he matures as a medical physicist. Brandon was the primary medical physicist for the NRC Safety Inspection conducted by Willie J. Lee on November 17, 2006, Docket No.: 03032638, where "Based on the inspection findings, no violations were identified."

It is my professional opinion that Brandon has more than achieved a level of competency sufficient to function independently as an authorized medical physicist for the High Dose Rate Remote Afterloader. It is my sincere hope that the NRC will approve this request to add Brandon K. Rice on the NRC License #45-25187-01 as an Authorized Medical Physicist for the Ir-192 in a High Dose Rate Remote Afterloader Unit

Sincerely,

A handwritten signature in black ink that reads "Van H. McComas". The signature is written in a cursive style with a long horizontal line extending to the right.

Van H. McComas, MS, DABR
Consulting Medical Physicist
President, McComas Enterprises Inc.
Radiation Safety Officer
NRC License #45-25187-01

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

3/8/2007, and to inform you that the initial processing which includes an administrative review has been performed.

AMEND. 45-25187-01
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** 140203.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.