

# Bedford MEMORIAL HOSPITAL

In Partnership  
CARILION HEALTH SYSTEM &  
CENTRA HEALTH

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NMSS

June 4, 2007

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

Attention: Nuclear Materials Licensing Section

Subject: Amendment request  
RE: USNRC Materials License No. 45-25627-01 (Docket or Ref. No. 030-36291)

Dear Sirs:

Bedford Memorial Hospital (BMH) requests amending our radioactive materials license noted above in the following manner:

On March 28, 2007, we received your agency's approval for relocation of our in-hospital Nuclear Medicine Department to a newly renovated area within the hospital complex as described in the attachment to this letter amendment request dated January 25, 2007 (ATT.9.1.E.). We have determined that this relocation is not going to occur. The Nuclear Medicine Department will remain in the same physical location within BMH as previously described in our original license application letter dated May 21, 2003 (ATT. 9.1.A.) and letter dated October 20, 2003 (revised ATT.9.1.B.).

The Cardio-vascular Stress Treadmill Rooms have relocated to the designated new locations within the hospital. The annotated drawing (ATT.9.1.E.) shall replace drawings in our original license application request dated May 21, 2003 (ATT.9.1.C.) and amendment request letter January 24, 2004 (ATT. 9.1.D. & 9.1.D.1.). These new treadmill room locations, i.e. primary treadmill stress testing room - Nuclear Test (Drawing Id. No. 121) and secondary treadmill stress testing room - Stress Test (Drawing Id. No. 109), are on the first floor of the Medical Office Building (MOB) portion of the main hospital complex as identified in ATT.9.1.E.

Radioactive material will only be administered in these treadmill rooms. No radioactive material will be stored anywhere in this new area. All patient unit doses will be transferred to either of these rooms by a staff Nuclear Medicine Technologist in accordance with existing procedures for the safe handling, security and transfer of radioactive material within the hospital complex. The Nuclear Medicine Technologist will administer each dose to the patient and shall return with the spent syringe and any other radioactive waste to the Nuclear Medicine Department's designated decay-in-storage area immediately following the injection. This technologist will also observe and response to any emergency or spillage event in accordance with existing procedures.

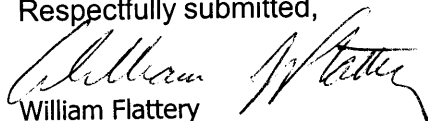
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As noted previously in the Amendment Number 4 letter request dated January 25, 2007, all areas adjacent to these rooms within the new Cardio-vascular Suite are designated as unrestricted areas, as are all areas on the second floor above this suite, which are designated as medical physician office and exam rooms. First floor to second floor room height is 13'2" with a 3" concrete slab on a 9/16" x 28 gauge metal form deck material. Floor is on grade. To ensure that radiation exposure levels in all these areas will be maintained at or below the limits set in 10 CFR Part 20.1301(a)(1) & (2), various means will be implemented, to include, but not limited to, positioning of equipment within this room, and, if determined to be required, additional barrier wall shielding, although at present no additional barrier shielding is deemed necessary or required.

We remain available to provide additional information and if necessary, please contact Mr. Jeffrey G. Messinger, our consultant RSO at (540)981-7811 regarding this notification.

Respectfully submitted,

  
William Flattery  
President, CEO

pc: Sybil Calhoun, Director Cardio-vascular Services  
Judy Howard, Nuclear Medicine  
J. G. Messinger, RSO for BMH

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

6/4/2007, and to inform you that the initial processing which includes an administrative review has been performed.

*ATTEND. 45-25627-01* 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** 140635.  
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 (R1)  
(6-99)

Sincerely,  
Licensing Assistance Team Leader