

From: Richard McKinley
To: Zoonr@mail.nih.gov
Date: 4/26/06 10:59AM
Subject: License No.:19-00296-10

License No.:19-00296-10
Docket No:03001786
Control No: 138601

Please note that you may not reply to this letter by return e-mail. Your reply must be in writing by letter or facsimile (610-337-5269). If we do not receive a reply from you within 30 calendar days from the date of this e-mail, we will assume that you do not wish to pursue your application.

Dear Bob:

In order to complete your amendment request, I need the following information:

- 1) Please provide the scale for the drawings in Attachments 1 and 3 to your letter dated 3/20/06. (Appears to be approximately 1"=8')
- 2) Please provide a more comprehensive diagram of the Radiation Oncology Department, showing both CRC/B2-3643 and CRC/B2-3650, where the HDR unit will be stored.
- 3) Please indicate the location of the HDR control area for OR room 2C612.
- 4) Will the HDR unit be stored in the OR at any time? If so, is OR room 2C612 lockable?
- 5) Please provide the location of the radiation monitor inside each of the HDR treatment rooms.
- 6) Please describe the door signage for each of the HDR treatment rooms.
- 7) Please describe the method used in room CRC/B2-3643 to assure that the HDR unit and linear accelerator cannot be operated simultaneously. Your current HDR room has a selector switch that allows only one device to operate at a time.
- 8) Please describe your method to assure that console keys are inaccessible to unauthorized individuals.
- 9) Please provide the anticipated workload for the OR room, in maximum minutes per hour and minutes per week of source exposure time. Using your assumption of a maximum of 15 channels x 2 minutes per channel for an individual treatment, it appears that 30 minutes of source exposure in one hour is possible. This could result in greater than 2 mrem in an hour to the adjacent OR's, autoclave room, OR corridor, and mechanical room. Describe your method to restrict access to these areas during HDR use.
- 10 CFR Part 35 has been updated since the time of your original HDR application dated 2/22/02. Please provide the following information to update your license commitments. (Also note that the letter dated 2/22/02 is inadvertently missing from your license tie-downs in Condition 21 and will be added as part of the current amendment.)
- 10) Sections IIIA and B of your original application reference 10 CFR 35.940 and 941. Please note that these references should now be 10 CFR 35.51 and 690.
- 11) Please confirm that both the authorized user and the authorized medical physicist will be present during treatments [see 35.615(f)(2)].
- 12) Please confirm that you will consider the need for extremity dosimetry for all individuals who

may be called upon to respond to an HDR emergency involving an unretracted or stuck source.

13) Please provide a listing of your HDR emergency equipment.

14) Some of your emergency procedures may have been designed to be specific to your current facility. Please review these for continued applicability to your new facilities and submit any revisions with your response to this inquiry.

15) If you update your HDR spot-check procedures to comply fully with 10 CFR 35.643, it will no longer be necessary for you to perform monthly calibrations. Please review your HDR spot-check procedures and submit procedures corresponding to 10 CFR 35.643(d)(4),(7), and (8).

16) It is not necessary to submit HDR full calibration procedures, but please note that full calibration in accordance with 10 CFR 35.633 must be performed at source exchange, reinstallation, and major repair.

Thank you very much for your cooperation.

Sincerely,
Richard McKinley
Health Physicist
U.S. NRC, Region I

CC: RWm1

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Options

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