



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION IV
612 EAST LAMAR BLVD., SUITE 400
ARLINGTON, TEXAS 76011-4125

FACSIMILE



Name: Lawrence J. Slate License No. 25-10994-04
Organization: Bozeman Deaconess Foundation Docket No. 030-33305
dba Bozeman Deaconess Hospital Control No. 472204
E-mail address: lslate@bdh-boz.com
Phone: 406-522-1626
From: Jacqueline D. Cook
Date: June 18, 2009
Subject: Application dated November 10, 2008 & Response dated March 17, 2009
to Deficiency Letter for License Amendment to add HDR unit
Pages: 3 (9 pages with NRC Form 313A(RSO) attached)

Mr. Slate:

Per your application dated November 10, 2008 and response letter dated March 17, 2009 to our Fax Deficiency Letter dated March 8, 2009, the items on the next page are deficiencies which require your response. **Please respond to this fax by Monday, June 22, 2009. In addition, please note that I am out of the office until Monday, June 22, 2009.** If you are unable to respond by this due date, please don't hesitate to contact me so we can discuss an extension to the date. Our fax number is (817) 860-8263. You may respond by email in pdf format if you'd like. My email address is Jackie.Cook@nrc.gov. If you have any questions regarding this fax, please call me at (817) 860-8132. When responding to this fax, please include the license, docket and control numbers located at the top of this page. **Please note the new control number.**

Thanking you in advance for your cooperation, assistance, and prompt response in this matter.

/RA/
Jacqueline D. Cook
Senior Health Physicist

1. Please note that since the new proposed RSO, Mr. Lawrence Slate, was named on an Agreement State license after April 29, 2005, please submit the training and experience for him in accordance with 10 CFR 35.50.

Please note that this can be documented on NRC Form 313A(RSO)
([http://www.nrc.gov/reading-rm/doc-collections/forms/nrc313a\(rso\).pdf](http://www.nrc.gov/reading-rm/doc-collections/forms/nrc313a(rso).pdf)).

2. Please expand periodic spot-check procedures required by 10 CFR 35.643 to include the following (Attachment C of your response dated March 17, 2009 to our fax deficiency letter):
 - A. Frequency of performing spot-checks (e.g., before the 1st use of a high dose-rate unit on a given day and after each source installation).
 - B. Please confirm that a licensee shall perform the measurements required by 10 CFR 35.643(a) in accordance with written procedures established by the authorized medical physicist. That individual need not actually perform the spot check measurements.
 - C. Please confirm that a licensee shall have the authorized medical physicist review the results of each spot-check within 15 days. The authorized medical physicist shall notify the licensee as soon as possible in writing of the results of each spot-check.
 - D. Please specify the location of the source exposure indicator lights (e.g., remote afterloader unit, on the control console, and in the facility).
 - E. Please expand the spot-check procedures to include assuring proper operation of clock (date and time) in the unit's computer.
 - F. Please confirm that if the results of the checks required in 10 CFR 35.643(d) indicate the malfunction of any system, a licensee shall lock the control console in the off position and not use the unit except as may be necessary to repair, replace, or check the malfunctioning system.
 - G. Please confirm that the licensee shall retain a record of each check required by 10 CFR 35.643(d) and a copy of the procedures required by 10 CFR 35.643(b) of this section in accordance with 10 CFR 35.2643.

3. Again, please expand your drawing of the remote afterloader facility to include a description of the following:
 - A. Warning systems and restricted area controls (e.g., locks, signs, interlock systems) for each therapy treatment room.
 - B. Methods to ensure that whenever the device is not in use or is unattended, the console keys will be inaccessible to unauthorized persons.
 - C. Emergency response equipment.
4. Attachment E of your response dated March 17, 2009, to our fax deficiency letter is your HDR Quarterly QA Form.

Again, please submit procedures required by 10 CFR 35.610.