



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, ILLINOIS 60532-4352

APR 04 2007

Liesje Myers, CNMT  
Radiation Safety Officer  
Boone Hospital Center  
1600 East Broadway  
Columbia, MO 65201

Dear Ms. Myers:

Enclosed is Amendment No. 73 amending your NRC Material License No. 24-01565-01 in accordance with your request. Please note that the changes made to your license are printed in **bold** font.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

Please be advised that we cannot authorize you to release your old nuclear medicine located at 1600 East Broadway, Columbia, Missouri, for unrestricted use (even by other members of your staff) until we have received and reviewed a copy of the results of your close-out survey. The survey should consist of exposure rate measurements to show that all sources of radioactive material have been removed, and contamination checks of areas where radioactive materials were used or stored. Average radiation levels associated with surface contamination and removable contaminations should not exceed those specified in the enclosed decontamination guide. Please submit the following information with your close-out survey:

- a. A history of all radionuclides used at your "old" nuclear medicine department.
- b. A current copy of the leak test results for the sealed sources used at your "old" nuclear medicine department. Also a history of leaking sealed sources (if any).
- c. A diagram of your "old" nuclear medicine department with survey and wipe test results keyed to specific locations. Please record your survey results using the appropriate units as described in 10 CFR 30.36 (j) (2) (I) (copy enclosed).
- d. The name of the person performing the survey.
- e. The date the survey was performed.
- f. The instrument(s) used for exposure rate measurements and for analysis of the wipes.
- g. Background readings.
- h. The date that the survey instrument was last calibrated.

Please submit your close-out survey as additional information to mail control 315988.

L. Myers

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Please note, as we discussed by telephone on April 3, 2007, and based upon the information in facsimile letter April 2, 2007, we have removed the authorization for iridium-192 for use in an HDR device, and we have authorized the release of the Cobalt Room of Boone Hospital Center, 1600 East Broadway, Columbia Missouri for unrestricted use.

Also, please note, we have removed the "Official Use Only - Security-Related Information" marking on your license because the security related sensitive information has been removed from the license.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). The NRC's document system is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,



William P. Reichhold  
Materials Licensing Branch

License No. 24-01565-01

Docket No. 030-02304

Enclosure: Amendment No. 73  
Decontamination Information