

DEC 12 1985

Boone Hospital Center  
Department of Radiology  
ATTN: Thomas A. Sullivan, M.S.  
Radiation Safety Officer  
1600 E. Broadway  
Columbia, MO 65201

Gentlemen:

Enclosed is Amendment No. 19 to your NRC License No. 24-01565-02 in accordance with your request.

Please be advised that Subitem 7.B. of your present license authorizes your possession of the AECL Model C-146 or C-151 teletherapy sources (not to exceed 4000 curies per source) in the AECL Eldorado 8 teletherapy unit. Note that your previous authorization listed in Subitem C. of Items 6., 7. and 8. authorized the AECL C-146 and C-151 teletherapy sources; however, the activity listed (6000 curies per source) was not authorized for use in the Eldorado 8. Therefore, we did not include that authorization in Subitem C. You are authorized to use the "old" (decayed) AECL source from the Theratron 780 in the Eldorado 8 as long as the activity of the source is less than or equal to 4000 curies.

Please note that Conditions 18. and 19. of your license require you to perform a radiation survey and to submit a survey report:

- a. Each time your teletherapy source is replaced.
- b. Whenever you make any changes in the shielding, location or use of your teletherapy installation that could affect radiation levels in surrounding areas.

A report of the results of the required survey should be sent to:

- a. The Material Licensing Branch, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555; and
- b. The Director of the appropriate NRC Regional Office of Inspection and Enforcement (see Appendix D to 10 CFR Part 20).

These reports should be sent not later than thirty (30) days following the installation of a new source or completion of the changes requiring the survey.

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Please review the enclosed document carefully and be sure that you understand all conditions. You must conduct your program involving radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Possess radioactive material only in the quantity and form indicated in your license.
3. Use radioactive material only for the purpose(s) indicated in your license.
4. Notify NRC in writing of any change in mailing address.
5. Request and obtain appropriate amendment if you plan to change ownership of your organization, change locations of radioactive material, or make any other changes in your facility or program which are contrary to your license conditions or representations made in your license application and any supplemental correspondence with NRC. Any amendment request should be accompanied by the appropriate fee specified in 10 CFR Part 170.
6. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date on your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of radioactive material after your license expires is a violation of NRC regulations.
7. Request termination of your license if you plan to permanently discontinue activities involving radioactive material prior to your expiration date.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions and representations in your license application will result in enforcement action against you in accordance with the General Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C.

If you have any questions or require clarification of any of the above stated information, contact us at (312) 790-5625.

Sincerely,

Original Signed By  
Patricia J. Whiston  
Materials Licensing Section

Enclosure(s): Amendment No. 19  
RIII

Whiston/cm  
12/05/86