

File

MAY 3 1985

Swedish American Hospital
ATTN: D. G. Bhawe, Ph.D.
Radiation Safety Officer
1400 Charles Street
Rockford, IL 61108

License No. 12-01610-02

Gentlemen:

We have reviewed your survey report dated April 1, 1985 and find that we will need additional information as follows:

1. With regard to the survey instruments used in this survey, please:
 - a. Specify the manufacturer's name and model number of the instruments used in this survey.
 - b. Specify the date on which these instruments were last calibrated prior to use in this survey.
 - c. Specify by whom these instruments were calibrated.
 - d. Describe the standards (i.e., radionuclide, activity) and procedures used to calibrate these instruments.
2. Although you indicate that certain safety systems are "functional," you have not described the tests that were conducted to ensure their proper operation. Please describe the tests that were conducted to ensure proper operation of:
 - a. Electrical interlocks on the teletherapy treatment room doors. Your tests should be sufficient to demonstrate that the interlock system operates in accordance with the requirements of Condition 17 of your license.
 - b. Teletherapy source "on-off" indicators, electrical and mechanical, both at the source housing and at the teletherapy machine control panel. You should use a method of cross-checking these indicators, such as using a radiation detection instrument, to ensure that the indicators correspond to the actual condition of the source.
 - c. Electrical and/or mechanical stops installed for the purpose of limiting use of the primary beam of radiation. Your tests should be sufficient to show that the stops limit use of the primary beam in the manner described in your survey report.

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MAY 3 1985

- d. Teletherapy treatment timing device. In addition to demonstrating timer accuracy, your tests should be sufficient to show that the source returns to the "off" position at the end of the preset time and that the source will not return to the "on" position until the timer is reset.

We will continue our review of your application upon receipt of this information. Please reply in duplicate, within 30 days, and refer to Control Number 78652.

Sincerely,

Original Signed By
William J. Adam, Ph.D.
Materials Licensing Section

RIII
WJA
Adam/lid
05/01/85