

JUN 06 1985

License No. 20-02615-01
Docket No. 030-01848
Control No. 18723

Newton-Wellesley Hospital
ATTN: Egilda D. Witherell
Radiation Safety Officer
2014 Washington Street
Newton Lower Falls, Massachusetts 02162

Gentlemen:

This is in reference to your application dated April 23, 1985 to renew License No. 20-02615-01. In order to continue our review, we need the following additional information:

- A. Thyroid uptake can occur by breathing volatile iodine which is released when the cap is first removed from vials containing therapeutic liquid iodine-131. Personnel should be instructed to wear gloves and to open the vials in a fume hood or to take alternative precautionary measures.

A bioassay program should be established for personnel who handle therapeutic liquid iodine-131. As a minimum, thyroid counts should be obtained approximately twenty-four (24) hours after exposure. Refer to the enclosed bioassay guide.

Submit the precautionary measures and the bioassay procedures that you will follow.

- B. Appendix B of Regulatory Guide 10.8 states that the Medical Isotopes Committee shall meet as often as necessary to conduct its business but not less than once in each calendar quarter. Please confirm that your Medical Isotope Committee will meet at least once in each calendar quarter.
- C. Posted emergency procedures should include the telephone numbers of the persons to be contacted as well as their names. Please confirm.
- D. Please submit a copy of your ALARA Program. If you choose to adopt the model ALARA Program found in Appendix O of Regulatory Guide 10.8, you may simply fill in the blanks on the first and last pages of the program, have a representative of your management sign the program on the last page, and submit the signed model ALARA program with your response to this letter.

8509190190 850906
REG1 LIC30
20-02615-01 PDR

OFFICIAL RECORD COPY

888 - 0001.0.0
05/23/85

ML10

- E. In Item 19 of your application dated April 23, 1985, you have indicated that nurses attending patients being treated with therapeutic quantities of iodine shall wear pocket dosimeters. Please describe the procedures that will be followed for calibration and maintenance of your pocket dosimeters. ANSI Standard N42.13-1978 is enclosed for your consultation.

We will continue our review upon receipt of this information. Please reply in duplicate to my attention at the Region I office and refer to Mail Control No. 18723.

Sincerely,

Original Signed By:
John E. Glenn

John E. Glenn, Ph.D., Chief
Nuclear Materials Safety Section B
Division of Radiation Safety
and Safeguards

Enclosures:

1. Regulatory Guide 8.20
2. ANSI Standard N42.13-1978

RI:DRSS J. Miller/djh 6/5/85
RI:DRSS J. Glenn 6/5/85

OFFICIAL RECORD COPY

888 - 0002.0.0
05/23/85