

FEB 22 1985

License No. 06-10081-03  
Docket No. 030-17244  
Control No. 18340

Philips Medical Systems, Inc.  
ATTN: Mr. Robert Avrutik, Director  
Regulatory Department  
710 Bridgeport Avenue  
Shelton, Connecticut 06484

Gentlemen:

This is in reference to your application dated September 27, 1984 to renew License Number 06-10081-03. In order to continue our review, we need the following additional information:

1. While the resume of Charles S. Worrilow shows experience with radiation, it does not show evidence that he has been trained in the necessary areas. These include:
  - a. Radiation physics and instrumentation.
  - b. Radiation protection.
  - c. Mathematics pertaining to the use and measurement of radioactivity.
  - d. Radiation biology.

Please submit evidence that Mr. Worrilow has received the necessary training, including dates given, by whom, and where. On-the-job training is acceptable, if properly documented.

2. Your Radiation Safety Manual instructs workers to wear their film badges under their lead aprons. How do you plan to evaluate the radiation dose to the eye, a critical organ?
3. Describe how management assures that all radiation workers are trained, and periodically retrained, as required by 10 CFR 19.12.
4. With regard to your instrument calibration procedures, please provide the following information:
  - a. Your instructions for calculating dose rates, distances, and source strengths.
  - b. Confirm that each instrument will be calibrated at at least two points on each scale, separated by at least 50% of full scale.

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- c. Supply examples of the certificate of calibration or other record supplied, and the label, if any, affixed to the instrument.
- d. Submit diagrams of all areas where the calibrator is used, showing radiation levels in unrestricted areas with the source on.
- e. Submit the radiation levels around the source storage areas when the sources are in storage.

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. 18340.

Sincerely,

Original Signed By  
Laurence F. Friedman, Ph.D.

Laurence F. Friedman, Ph.D., C.H.P.  
Senior Radiation Specialist  
Nuclear Materials Safety Section B,  
Division of Radiation Safety  
and Safeguards

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