



THE UNIVERSITY OF CONNECTICUT HEALTH CENTER

Radiation Safety Office
Farmington, Connecticut 06032
(203) 679-2250
June 13, 1989

U.S. Nuclear Regulatory Commission, Region I
Attn: Mohamed M. Shanbaky, Ph.D.
Nuclear Materials Safety Section A
Division of Radiation Safety and Safeguards
475 Allendale Road
King of Prussia, PA 19406

Docket Nos. 030-D1295
030-08882
030-30561

License Nos. 06-13022-02
06-13022-04
06-13022-05

Subject: Routine Inspection No. 89-001

Dear Dr. Shanbaky:

The following information is provided in response to your letter, dated May 17, 1989, which notified the University of Connecticut Health Center of two violations identified during the routine inspection conducted on March 30-31, 1989.

Violation A. Sources used to test the dose calibrator for accuracy in comparison with standard sources assayed by NBS were not documented.

Certificates documenting the accuracy of the activity for the barium-133 and cobalt-57 standard sources were not available. The Department of Nuclear Medicine possesses a second barium-133 source for which there is a certificate of source activity on file. A new cobalt-57 source standard has been ordered and will be available before the next dose calibrator accuracy test is due, August 8, 1989. Thus, all reference sources used to check for dose calibrator accuracy will have accompanying certificates of activity on file.

To avoid further violations, the Radiation Safety Officer will check for reference source certifications during his audit of the Nuclear Medicine radiation safety program.

Full compliance will be achieved upon receipt of the new cobalt-57 reference source. Delivery is to be made by August 1, 1989.

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Violation B. A survey meter was checked with a reference source other than the one used at the time of calibration.

The survey meter in question was recalibrated and the reading with the appropriate barium-133 reference check source used by Nuclear Medicine as an operational check source is posted on the instrument.

To avoid confusion, all the survey meters in the Nuclear Medicine clinical facility are now checked for function with a single operational check source. The Radiation Safety Office staff also has been instructed to ensure that the survey meters are checked with the appropriate reference source at the time of calibration. The Radiation Safety Officer will also review this item during audits of the Nuclear Medicine radiation safety program.

This infraction has been corrected and the department is in compliance.

We trust the corrective actions that have been taken will meet with your approval.

Sincerely,



Leonard P. Paplanskas
Assistant Vice President for Research

LPP