

NOTICE OF VIOLATION

Lutheran Hospital of Indiana, Inc.  
Fort Wayne, Indiana

License No. 13-01535-01  
Docket No. 030-01594

As a result of the inspection conducted on October 31, 1990, and in accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," 10 CFR Part 2, Appendix C, (1990) (Enforcement Policy) the following violations were identified:

1. 10 CFR 35.315(a)(7) states that a therapy patient's room may not be assigned to another patient until the removable contamination is less than 200 disintegrations per minute (dpm) per 100 square centimeters.

Contrary to the above, a therapy patient's room was assigned to another patient, but the removable contamination was greater than 200 dpm per 100 square centimeters. For example, the contamination levels in the toilet was 866 dpm, in the sink was 2,200 dpm, on the floor was 1,883 dpm and on the bed was 924 dpm.

This is a Severity Level IV violation (Supplement VI).

2. 10 CFR 35.50(b)(3) states that the linearity of the dose calibrator will be checked over its range of use between the highest patients dose and 10 microcuries.

Contrary to the above, the linearity of the dose calibrator was not checked over its range of use between the highest patients dose and 10 microcuries. For example, the test performed on September 4, 1990 did not check the linearity of the dose calibrator at 10 microcuries.

This is a Severity Level IV violation (Supplement VI).

3. 10 CFR 35.70(e) states that each week, the licensee shall survey (perform wipe tests) for removable contamination in areas where radiopharmaceuticals are routinely prepared for use, administration or stored.

Contrary to the above, since April 6, 1989, the licensee did not survey (perform wipe tests) each week for removable contamination in areas where radiopharmaceuticals are routinely prepared for use, administration, or stored.

This is a Severity Level IV violation (Supplement VI).

4. a. 10 CFR 35.50(e)(2) states that the record of the accuracy test will include the signature of the Radiation Safety Officer.  
b. 10 CFR 35.50(e)(3) states that the record of the linearity test will include the signature of the Radiation Safety Officer.

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- c. 10 CFR 35.59(d) states that the record of leak test results will include the signature of the Radiation Safety Officer.
- d. 10 CFR 35.59(g) states that the record of the sealed source inventory will include the signature of the Radiation Safety Officer.

Contrary to the above, the Radiation Safety Officer did not sign:

- a. the record of the accuracy test performed on September 4, 1990.
- b. the record of the linearity test performed on September 4, 1990.
- c. the record of the leak test results for October 1990.
- d. the record of the sealed source inventory performed in September 1990.

This is a Severity Level V violation (Supplement VI).

Pursuant to the provisions of 10 CFR 2.201, you are required to submit to this office within thirty days of the date of this Notice a written statement or explanation in reply, including for each violation: (1) the corrective steps that have been taken and the results achieved; (2) the corrective steps that will be taken to avoid further violations; and (3) the date when full compliance will be achieved. Consideration may be given to extending your response time for good cause shown.

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Dated

William H. Schultz  
William H. Schultz, Chief  
Nuclear Materials Safety  
Section 1