

NOTICE OF VIOLATION

Indiana University School
of Medicine
Gary, Indiana

License No. 13-18384-01
Docket No. 030-14970

As a result of the inspection conducted on June 21, 1990, and in accordance with the "General Statement of Policy and Procedure for NRC Enforcement Actions," 10 CFR Part 2, Appendix C (102) (Enforcement Policy) the following violations were identified:

License Condition No. 14 requires that licensed material be possessed and used in accordance with the statements, representations, and procedures contained in certain referenced applications and letters.

- A. Section B. of Item 10 of the application dated May 21, 1985, describes the licensee's Radiation Safety Program, and outlines the duties of the Radiation Safety Officer. One of the duties requires that the Radiation Safety Officer conduct radiation surveys of the various laboratories at least once each calendar quarter and keep records of such surveys.

Contrary to the above, the Radiation Safety Officer failed to conduct the required surveys during the second quarter of 1988. Specifically, radiation surveys were not conducted from March 23, 1988 to July 7, 1988.

This is a repeat violation.

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

- B. Attachments to the referenced letter dated October 29, 1985 requires the licensee to calibrate survey instruments at least once a year.

Contrary to the above, the licensee failed to calibrate a Victoreen Model 495 survey instrument, Serial No. 658, since March 16, 1988, and failed to calibrate a Victoreen Thyac-III survey instrument, Serial No. 4051, since August 17, 1987.

This is a repeat violation.

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

- C. Section C.8 of Item No. 10 of the application dated May 21, 1985, requires each responsible investigator to survey all working areas and equipment used when handling radioactive materials at least weekly or at the end of each experiment, and to keep records of the contamination levels.

Contrary to the above, since September 1985 responsible investigators have failed to maintain records of surveys performed at weekly intervals, or at the end of an experiment when working with radioactive material.

This is a repeat violation.

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

- D. Appendix J-2 submitted with the application dated May 21, 1985, requires the licensee to perform bioassays on personnel handling greater than one (1) millicurie of I-125 in a hood. The bioassay procedure also requires baseline analysis prior to handling radioiodine.

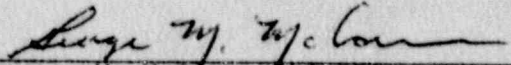
Contrary to the above, from the NRC inspector's review of records and statements from licensee representatives, it was determined that the licensee failed to perform the required bioassays on individuals who handled approximately 2.5 millicuries of I-125 during iodination procedures performed at two to three month intervals since 1988. In addition, on the day of the inspection, June 21, 1990, the inspector observed an individual perform an iodination with approximately 2.5 millicuries of I-25, and the licensee failed to perform a baseline analysis prior to that iodination.

This is a Severity Level IV 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.

Dated

September 6, 1990


George M. McCann, Chief
Nuclear Materials Safety Section 1