

February 26, 1981

John D. Kinneman, Chief Materials Radiological Protection Section United States Nuclear Regulatory Commission Region I 631 Park Avenue King of Prussia, Pa 19406

Re:

NRC License Nos.: 29-06431-01

SNM-1650

Docket Nos.:

30-2488

70-2319

Dear Mr. Kinneman:

Enclosed is our response to the areas of noncompliance found during the inspection by your office on January 20, 1981.

- A. 1. The badge results are reviewed by the radiation safety officer monthly. Badges which are reported by the badge processor to be damaged, contaminated or missing will be assigned an exposure level based on the previous exposures to that individual, and the duties of the individual during the period of time the badge was used. The badge processor will be notified in writing the assigned radiation exposure to be added to the radiation exposure record of that individual. This procedure will be added to the department's procedure manual and is in effect as of this date. (The missing radiation exposure reports for 1980 and 1981 will be reviewed and radiation exposure levels will be assigned.)
  - 2. All vials will be surveyed. Vials containing small amounts of radioactive material will be placed in the radioactive waste and held for decay. The non-radioactive waste receptacle will be surveyed on multiple occasions throughout each day. The results will be entered in our records. This procedure will be added to the procedure manual and will become effective immediately.
- B. 1. Film badges will be worn at all times when handling radioactive material. The badges are to remain in the office (unrestricted area) while off-duty and will be picked up in the office and worn while on duty. The technologist in charge will check all personnel to confirm that the film badges are being used. This procedure will be added to the procedure manual and is to become effective immediately. \$104290 \27

- B. 2. Our present procedure states that <sup>137</sup>Cesium shall be assayed using a reproducible geometry before each daily use of the instrument. The following statement will be added to the procedure; "As soon as the assay is performed the results will be placed into a ledger in which the date is clearly entered."
  We feel that the non-compliances which occurred in the past were assays that were performed but were not logged. This
  - Our procedure manual will be amended to read: "Linearity tests will be performed in each calendar quarter" This will become effective immediately.

procedure will be in effect immediately.

C. During a subsequent re-examination of our records, we located records indicating that wipe tests were performed on the following dates: July 6, 1978, December 27, 1978, April 9, 1979, October 26, 1979, March 27, 1980, September 23, 1980 and January 29, 1981.

If there any questions concerning this matter, please let us know.

Sincerely,

Sister M. Elizabeth Corry, OSF

Executive Director

SMEC: vf

cc: Sister Norma Matthews, OSF Assistant Administrator

> Deborah Hitchcock Supervisor, Nuclear Medicine

Ralph Caccese, M.D. Department of Radiology