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April 10, 1981

Telex: 92-3451 (Amicon Lxon)

Cable Address: Amicon

Mr. John D. Kinneman
Chief, Materials Radiological Protection
Section
Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

Docket No. 30-4762
NRC License No. 20-13794-01

Dear Mr. Kinneman:

This letter refers to the specific recommendation made by Ms. J. McGinness during her routine safety inspection conducted on March 11, 1981, and your letter dated April 2, 1981.

The recommendation made by Ms. McGinness was to use a phantom to simulate the geometry and density of the neck of a "standard man." Since this inspection, a Victoreen Nuclear Associates Neck Phantom (No. 74-350) has been purchased. This neck phantom is now used to calibrate the efficiency of the instruments being used for the determination of iodine-125 in the thyroids of all workers handling this isotope. Thus, all thyroid scans are calibrated according to accepted dosimetry practices as documented in the American National Standards Institute Publication N44.3-1973, "Thyroid Radioiodine Uptake Measurement Using a Neck Phantom."

Sincerely,



Aldo M. Pitt
Radiation Safety Officer

AMP:ps0

cc: N. A. Jacobs, President

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