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July 6, 1984

U.S. Nuclear Regulatory Commission
Region I

631 Park Avenue

King of Prussia, PA 19406

Attn: Mr. John Kinneman

Ref. License #20-16569-01

Inspection #30-11254/83-01

Dear Mr. Kinneman:

In response to your letter of 24 April, 1984, please be advised that the following steps have been added to our linearity check procedures to assure compliance with the requirements of ANSI N42.13-1978:

1. We have performed the necessary testing to demonstrate that compensation for volume geometry changes is unnecessary within the range of volume utilized in this procedure. The geometry error observed was less than 2 percent and does not affect the linearity check. This geometry compensation check will be retained for compliance review.
2. In the actual performance of the linearity check, subdivision will be repeated down to the region in which direct calibration is typically demonstrated (less than 10 mCi). This will involve at least three subdivisions.

We trust that these additional procedures will satisfy your continuing concerns in this issue.

Thank you for your attention in this matter.

Robert Schedin
Administrator

RS/cdb

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