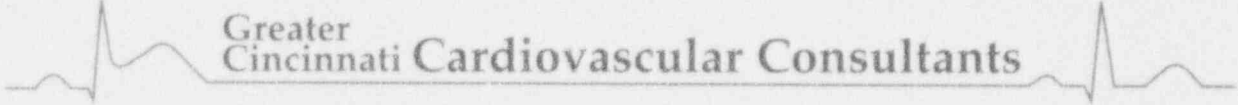


Reichhold



Greater
Cincinnati Cardiovascular Consultants

Byron W. Gustin, M.D., FACC • F. Thomas Jenike, M.D., FACC • John S. Held, M.D., FACC
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February 21, 1994

Ms. B. J. Holt, Chief
Nuclear Material Inspection
U.S. Nuclear Regulatory Commission
801 Warrenville Road
Lisle, IL 60532-4351

RE: Reply to notice of violation *NRC License # 34-26461-0!*

Dear Ms. Holt:

The following information is provided in response to your letter of January 24, 1994.

AREA OF AUTHORIZED USE:

1. The facility diagram submitted in our license application includes the GXT (graded exercise test) room. This is the location of the treadmill use for diagnostic cardiac studies. From the conversation you had with our radiation safety officer, Shirley Small, on February 18, 1994, we understand that no further action is required.

DOSE CALIBRATOR:

- 2a. Constancy checks have been performed daily for all commonly used settings, as well as daily accuracy tests. Less than 5% of the studies performed in 1993 involved the use of technetium-99m.

We are now performing the technetium-99m constancy check each day of use. Full compliance was achieved December 27, 1993.

- 2b. Most doses (greater than 90%) administered in 1993 were purchased as unit dose syringes, and the dose calibrator, therefore, is used to confirmed previously calibrated values. The 3 cc syringe geometry check was overlooked at start-up. The data acquired 1/26/94 is listed below along with more extensive data for the 5 cc syringe.

OFFICES:

Cincinnati (Clifton) • Fairfield/Hamilton • Eastgate • Landen • Hillsboro • Oxford

BUSINESS OFFICE:

415 Straight Street, Suite 300, Cincinnati, OH 45219-1098 • 513-751-GCCC (4222) • Fax: 513-751-4353

9403150103 940304
PDR ADOCK 03033017
C PDR

FEB 28 1994

GCCC

GEOMETRY CHECK TABLE

<u>3 cc, ml</u>	<u>mCi</u>	<u>% variation from average</u>	<u>5 cc, ml</u>	<u>mCi</u>	<u>% variation from average</u>
1.0	3.39	.07	2.5	4.61	0.1
1.5	3.39	.07	3.0	4.62	0.3
2.0	3.40	.36	3.5	4.60	.01
2.5	3.37	.5	4.0	4.59	0.1

RESULTS: Less than 0.5% variation

RESULTS: Less than 0.3% variation

For both the 3 cc and 5 cc syringes, no geometric correction factor is required. These results will be maintained for the duration of use of this dose calibrator. Full compliance was achieved 1/26/94.

SURVEY METER

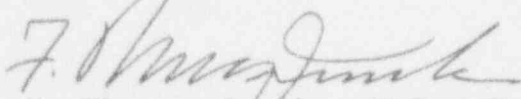
3. Because most doses were purchased as unit doses, the practical need for a 1 Rem/hr survey meter was not present, and the regulatory requirement was inadvertently overlooked. A survey meter with this capability has been ordered, and full compliance will be achieved upon receipt of this instrument.

MISSING FILM BADGE

4. Technologist Pamela Ellsworth has located her missing October film badge, and this has been forwarded to the Siemen's Gamma Sonic Corporation for interpretation of this month's radiation exposure. The results have not yet been received by our office.

It is our desire to maintain an excellent nuclear program, and we trust that with these clarifications and corrective actions, we will have achieved this. Thank you for your continued support.

Sincerely,



F. Thomas Jenike, M.D., F.A.C.C.
President, Greater Cincinnati Cardiovascular Consultants

FTJ/lps

c James K. O'Donnell, M.D.
Shirley T. Small, M.S.
GCCC NRC file