



Boone Hospital Center

1600 E. Broadway • Columbia, Missouri 65201 • Phone 314-875-4545

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December 4, 1985

306-62344

Mr. D.J. Sreniawski, Chief
Nuclear Materials Safety
USNRC, Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137
RE: License No. 24-01565-01

Dear Sir:

This letter is in response to your Notice of Violation dated November 21, 1985.

We have not routinely done bioassays (thyroid monitoring) on our technologists who administer therapeutic amounts of liquid iodine-131 to patients. Most, approximately 90%, of our I-131 administrations are given in capsule form. We consider bioassays inappropriate when I-131 is given in a gelatin capsule form because there is very little chance that the technologist will intake any significant amounts of I-131.

We have instituted a bioassay program for our technologists who administer liquid I-131 to patients. This consists of a baseline and routine thyroid uptake measurement on all technologists who are within one meter of an administration of liquid I-131 in the amounts tabulated in Regulatory Guide 8.20 "Applications of Bioassay for I-125 and I-131".

I am confident that this corrective action will put us into full compliance effective immediately. If there are any questions or additional information needed, please contact our Radiation Safety Officer, Thomas A. Sullivan, M.S., at 314/875-3729.

Sincerely,

John O'Shaughnessy
John O'Shaughnessy, President
Boone Hospital Center

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cc: Thomas A. Sullivan, M.S., RSO
Robert Hurst, Director Medical Physics and
Clinical Engineering
Mike Shirk, Vice President Ancillary Services
Radiation Safety Committee Files

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