

# Major Hospital

July 26, 1985

Materials Licensing Branch  
U.S. Nuclear Regulatory Commission, Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

RECEIVED  
8/1/85  
By: [Signature]  
Orig. To: [Signature]  
Action Completed: [Signature]

Gentlemen:

Please amend our by-product materials license number 13-14877-01 to add I125 as a sealed source in a nuclear Data ND1100A single photon bone densitometry system (or equivalent). The maximum procession limit should be 300 millicuries in order to cover both sources at time of replacement. The following information is provided in support of this request:

1. The commercial supplier of the single photon bone densitometry system will provide a minimum of eight hours of on-sight training with installation. This will include instruction on the installation and replacement of the I125 source. Actual installation and replacement of the source will occur only under the supervision of the radiation safety officer or his designee, both of whom will have been trained by the manufacturers representative. No source will be installed prior to this training.
2. The scanner will be stored and used in the nuclear medicine department by or under the supervision of Paul M. Inlow, MD and or Primo P. Milan, MD.
3. The nuclear medicine department is routinely surveyed in accordance with existing license requirements and all nuclear medicine personnel wear film badges. Leak testing of the I 125 source will be performed by our consulting physicist in accordance with instructions received at the time of installation.
4. At the time of new source replacement, the depleted source will be returned to the original supplier in the appropriate shipping container.

We would appreciate it very much if the amendment request could be processed in time for us to have the single photon system available for using during "Medical Day" at the hospital on August 28, 1985.

No fee is required since W.S. Major Hospital is exempt from the fee requirements of 10CFR Part 170.

Thank you for your consideration in this matter.

Sincerely,

*Frank H. Learned, Jr.*  
Frank H. Learned, Jr.  
Administrator

FHL/emw

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EXEMPT JUL 29 1985  
REGION III

JUL 29 1985

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