



B. J. Holt
United States
Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Control No. 77140
September 27, 1984

Mr. B. J. Holt:

The following information is in regards to our proposed facilities and instrumentation in Brainerd, Minnesota.

1) The building is NOT in a residential area. The building is not now, nor will it be occupied as a residential dwelling. Also, the possession of radioactive material will not conflict with any local codes of Brainerd.

2) The building is secured in a couple of ways. There are two entries to the building. One is a garage door that can be locked and bolted. The other door is a normal 6'6" x 3' solid aluminum door. This door has a dead bolt type locking system. Only three keys are available to these openings; a) the owner of the building, b) NMI in Bemidji, MN and c) the technologist in Brainerd MN.

3) a. The use of the Tc 99m Generators are for diagnostic nuclear medical procedures. While in use, these generators are contained inside lead generator shields, that are provided by Mallinckrodt Nuclear for that purpose. Each week, a new generator is recieved and placed in this lead generator shield. The generator from the week before is then placed in a contained area for decay. This decay is allowed to occur until the Mo99 core is equal to or less than that of the surrounding background.

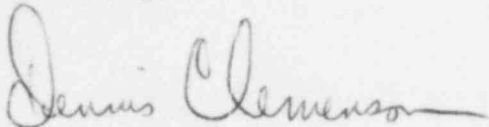
b. & c. The radiopharmaceuticals would be held during actual use in lead vial holders. After actual use, the radiopharmaceuticals would then be placed in a can totally surrounded by lead and allowed to decay until the contents are equal to or less than that of the surrounding background.

d. Radiopharmaceutical kits will be prepared either within the lead vial shield or behind the leaded L-shield and then into the lead vial shield. All sulfur colloid kits are boiled in leaded boiling units. All syringes used during this preparation are held in leaded syringe holders. The spent vials would then be placed into the can that is totally surrounded by lead and then allowed to decay.

4) The three pieces of instrumentation that will be placed in Brainerd will be a Rad/Cal Radioisotope Calibrator (Serial# 3044), a Victoreen, Thyac III Survey Meter (Serial# 3781) and a G E Porta-camera IIC unit.

Thanks again for your consideration in this matter.

Sincerely,

A handwritten signature in cursive script, appearing to read "Dennis M. Clemenson", with a long horizontal flourish extending to the right.

Dennis M. Clemenson
President

DC/js

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REGION III