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License No. 06-08349-04
Docket No. 030-09293
Control No. 03052

Charlotte Hungerford Hospital
ATTN: Robert Summa
President
540 New Litchfield Street
Torrington, Connecticut 06790

Gentlemen:

This is in reference to your application dated October 24, 1984 to renew License Number 06-08349-04. In order to continue our review, we need the following additional information:

1. Effective September 30, 1982, the NRC changed the make up of the radiation safety committee as stated in 10 CFR 35.11(6). You should modify your radiation safety committee to include a representative of your institution's management, the hospital administrator, or other administrative official directly responsible to the hospital administrator in the hospital's internal chain of command.

Please clarify whether your "Assistant Manager Radiology" or Radiology Manager is directly responsible to the hospital administrator in your internal chain of command. In lieu of submitting the names and qualifications of each individual you may confirm that the names and qualifications of the committee members will be documented in the committee's records, will be updated as necessary, and will be available for inspections by the NRC.

2. Please state the activity of each nuclide used in calibrating your dose calibrator.

The NRC recommends in Regulatory Guide 10.8 the following activities:

Cs-137	100-200 microcuries
Ba-133	100-200 microcuries
Co-57	1-5 millicuries

3. Please submit an updated detailed diagram of your facility, indicate the type dimensions and thickness of shielding that you will use for the following:
 - a. Use and storage areas of Tc-99m generators

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- b. Storage area of radiopharmaceuticals
 - c. Storage of radioactive waste; including decay-in-storage prior to disposal as nonradioactive waste. If this area is located ancillary to your department, describe how you will secure the material. Confirm that this area will be surveyed at least weekly.
- 4. Please clarify if the wipes taken during package opening procedures are counted in your well counter, described in item 9 of your application.
 - 5. Item 15 of your application refers to unsealed radioactive materials. We believe that the information in Item 15 should address areas where sealed and unsealed radioactive material is used or stored.

Verify whether your laboratory radiation safety regulations will be applied for areas where sealed and unsealed sources of radioactivity exist.

- 6. Please submit your calculations of estimated concentrations of xenon-133 in effluent to the unrestricted area. Section 6 of Appendix M of Regulatory Guide 10.8 (enclosed) includes a sample calculation.

We are requesting up to date calculations to reflect the changes noted in your letter to the NRC dated November 7, 1980 and any other changes which might have taken place since November 7, 1980.

- 7. Describe your procedures for handling saturated filters. Your response should include a description of the storage area, available shielding, and the ventilation provided.
- 8. Please submit a modified facility diagram that shows the location and the measured airflow rate of each air exhaust vent and each air supply vent in the areas where xenon 133 is used or stored. This information is necessary so that we may determine that use and storage areas are under negative pressure.
- 9. You should remeasure the airflow ratings of each air supply vent and each air exhaust vent at least semiannually to determine that the system continues to operate in accordance with the specifications that you submitted. Please confirm this will be incorporated in your routine procedure.

We will continue our review upon receipt of this information. Please reply in duplicate to my attention at the Region I office and refer to Mail Control No. 03052.

Sincerely,

Original Signed By
Jenny M. Johansen

John E. Glenn, Ph.D., Chief
Nuclear Materials Section B
Division of Engineering and
Technical Programs

Enclosure:
Regulatory Guide 10.8

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