APR 2 3 1985

Docket No. : 030-01215
License No.: 04-00689-07
Control No.: 18779

V. A. Medical Center
5901 East Seventh Street
Long Beach, California 90801

Attention: Mr. John J. Lee
Medical Center Director

Gentlemen:

This is in reference to your amendment request dated March 4, 1985. In order to complete our review, we need the following additional information:

1. On a detailed version of your facility diagram, please indicate the type, dimensions, position and thickness of shielding that you will use for:

   a. Use and storage of Tc-99m generators.

   b. Storage of radiopharmaceuticals (refrigerated and non-refrigerated).

   c. Storage of radioactive waste, including decay-in-storage prior to disposal as nonradioactive waste. (This area should be large enough to handle an accumulation of used Tc-99m generators as well as other solid 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.)

   d. Preparation and dispensing of Group III kit radiopharmaceuticals (e.g., lead glass L-block, etc.).

   e. Storage, inventory, and use of Group VI materials.

   f. Storage and use of the J.L. Shepherd Model 28-6A calibrator.

   Identify adjacent areas across the walls from use and storage locations and show that adequate steps have been taken to assure that radiation levels in unrestricted areas do not exceed the limits specified in 10 CFR 20.105 (enclosed).

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SURNAME	Riedlinger:fr						
DATE	4/23/85						

2. With regard to the use of Xe-133, please supplement your application with the following information:

   a. State whether or not any fraction of the air exhausted from your department is recirculated to the department or to other areas of the hospital. If so, you must take this recirculated fraction into account in your xenon-133 calculations. You should submit calculations of the xenon-133 concentrations in restricted and unrestricted areas. Show how airflow rates and the recirculation fractions are taken into account. Refer to Appendix M of Regulatory Guide 10.8, copy attached.

   b. 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.

   c. Describe the type and frequency of periodic measurements that you will make to determine that the ventilation system(s) in xenon use and storage areas continue to operate according to the specifications that you have submitted. Your frequency schedule should not exceed 6 month intervals.

   d. Describe the location of the exhaust stack that handles the air exhausted from rooms where xenon is used or stored. Specify the height above roof level, relationship to nearest windows and air intakes, etc.

3. When your old facilities have been decontaminated, a survey should be conducted to verify that the release limits stated in the "Guidelines for Decontamination" dated July 1982 are met. You should submit documentation of this survey with a request to amend your license to delete the formerly occupied facilities. A confirmatory survey by the NRC may be required before the areas can be released for unrestricted use, as previously discussed with you by Mr. R. D. Thomas, Chief, NMSS, Region V.

We will continue the review of your amendment request upon receipt of this information. You should submit your response within thirty (30) days from the date of this notice. Please reply in duplicate, and refer to Mail Control No. 18779.

Sincerely,

Beth A. Riedlinger
Health Physicist (Licensing)
Nuclear Materials Safety Section

Enclosures: Regulatory Guide 10.8, Appendix M
Guidelines for Decontamination