JUL 23 1987

License No. 18-16979-01
Docket No. 030-12006
Control No. 119987

St. Joseph Hospital
ATTN: Sister Mary Norberta, C.S.S.F.
President
297 Center Street
Bangor, Maine 04401

Dear Sister Mary Norberta:

This is in reference to your request in a letter dated December 2, 1986 to renew License No. 18-16979-01. In order to continue our review, we need the following additional information:

1. A licensee authorized to use byproduct material for imaging and localization is required by 10 CFR 35.220 (enclosed) to have a portable radiation detection survey instrument capable of detecting dose rates over the range of 0.1 millirem per hour to 100 millirem per hour, and a portable radiation measurement survey instrument capable of measuring dose rates over the range 1 millirem per hour to 1000 millirem per hour. Please provide the manufacturer and model number of the instrument you will use to meet this requirement for a measurement survey instrument.

2. In item 17. of your application dated October 21, 1981, you indicated that Appendix I Procedures will be followed for area surveys. These procedures require a method for performing wipe tests that is sensitive to detect 200 dpm per 100 cm^2 for the involved contaminant and also sets a removable contamination trigger level at 200dpm/100cm^2. Please describe the instrument you will use for these determinations.

   10 CFR 35.70(f) requires that a licensee be able to detect contamination on each wipe sample of 2000 disintegrations per minute for Tc-99m and 200 disintegrations per minute for I-131. Submit revised procedures if you wish to change your removable contamination trigger levels to the regulatory requirements and also describe the instrument you will use for these determinations.

3. With regard to your request for 100 millicuries of xenon-133, please confirm that the measured air flow rates and release calculations for both restricted and unrestricted areas are the same as those submitted in your letter dated January 8, 1982. If this information does not reflect your current program, please make revisions as necessary and submit them with your response to this letter.

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4. Prior to release of Room III to the Radiology Department you should be sure that the facilities meet the criteria in the enclosed "Guidelines for Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use or Termination of Licenses for Byproduct, Source, or Special Nuclear Material". You should submit a report of the results of the surveys you performed to this office and refer to this letter.

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. 119987.

In order to continue prompt review of your application, we request that you submit your response to this letter within 30 calendar days from the date of this letter.

Sincerely,

Original Signed By:
Josephine M. Piccone

Josephine M. Piccone, Ph.D.
Nuclear Materials Safety Section B
Division of Radiation Safety
and Safeguards

Enclosures:
1. 10 CFR Part 35
2. Guidelines for Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use or Termination of Licenses for Byproduct, Source, or Special Nuclear Material

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