

File

MAY 15 1985

Mercy Medical Center
ATTN: Thomas J. Grunwald
Technical Director,
Nuclear Medicine
631 Hazel Street
Oshkosh, WI 54902

RE: Letter Dated April 16, 1985 Requesting An Amendment To NRC License
Number 48-07957-01

Gentlemen:

In order to complete your amendment request to add xenon-133 you will need to submit the following information:

1. From the information submitted in your letter, it appears that your camera room is under positive pressure (575 cfm supply, 445 cfm exhaust). Be advised that all areas where xenon is used and stored should be under negative pressure. Describe your procedures for maintaining negative pressure in the camera room and preparation room.
2. State whether or not exhaust air from the camera room is recirculated to other areas within the department or to other areas of the hospital. If so, this recirculated fraction must be taken into account in your calculations.
3. Describe the location of the exhaust stack that handles the air exhausted from the camera room. Specify the height above roof level, relationship to nearest windows and air intakes, etc.
4. Modify your procedures to include semiannual measurements of the ventilation rates in areas where xenon is used and stored to ensure your system is operating properly.
5. Submit your calculations for xenon released to unrestricted areas.

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6. Modify your emergency procedures to include a "confirmatory survey" before personnel are permitted to re-enter the imaging area after an accidental release of xenon has occurred.

It may be helpful to refer to Appendix M of the enclosed Regulatory Guide 10.8 when completing your response to this letter.

We will continue our review of your application upon receipt of this information. Please reply in duplicate, within 30 days, and refer to Control Number 78788.

Sincerely,

Original Signed By
Patricia J. Whiston
Materials Licensing Section

Enclosure: Regulatory Guide 10.8

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Paw
Whiston/cm
05/14/85