

File

JUN 12 1986

Western Missouri Medical Center
Nuclear Medicine Department
ATTN: Mr. Randy Whitcomb
Administrative Director
Burkhardt Road & East Gray Street
Warrensburg, MO 64093

Gentlemen:

We have reviewed your letters dated May 16, 1986 and May 20, 1986 (signed by Dr. M. Garza-Gonzalez) requesting amendments to NRC License No. 24-16330-01 and find that we will need additional information as follows:

1. The procedures you have submitted for use of the bone mineral densitometers specify a Dr. Robert McNaughton as Radiation Safety Officer. Please submit a copy of Dr. McNaughton's training and experience on the enclosed preceptor forms.
2. You have specified the decay-in-storage method for disposal of your gadolinium-153 sources. Be advised that the Commission considers this to be a practical method of disposal only for short half-lived materials (generally, half lives less than 65 days). With a 241.6 day half-life for gadolinium-153 you would be required to keep such a source in storage for over six years. Please justify the use of this method of disposal and include a description of what methods you will use to maintain long term accountability of such sources or describe alternative methods of disposal.
3.
 - a. Please submit a copy of the step-by-step procedures you will follow for exchange of the gadolinium-153 sealed sources. (If you intend to follow the device manufacturer's procedures, you may submit a copy of their instructions.) Also, include the name of the individual who will be responsible for conducting the source exchange, as well as his/her qualifications if it is someone other than an individual authorized to use one or more of the Groups listed in 10 CFR Part 35.
 - b. Please confirm that both whole body and extremity monitoring will be worn during source exchange and a confirmatory survey will be performed at the conclusion of source exchange.
 - c. Please state the name of the person or organization who will service the device.

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- d. Please describe your procedures for insuring the security of the source/device while it is unattended.
- e. Please confirm that training provided to the proposed users of the scanner will include demonstrations and actual "hands-on" training.

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 81364.

Sincerely,

Original Signed by
William J. Adam, Ph.D.
Materials Licensing Section

Enclosure: Form 313M
Supplement A and B

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Adam/j1
6/9/86