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September 4, 1985

U. S. Nuclear Regulatory Commission
Radioisotopes Licensing Section
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

U.S. N.R.C.
LIC. FEE MGMT. BRANCH
Applicant Sep 20 Ill
Check No. 129972
Amount/Fee Category 120 (7C)
Type of Fee AMD
Date Check Rec'd 9/19/85
Received By SC/amp

Re: Amendment to NRC Radioactive Materials License #48-13475-01

Gentlemen:

We request amendment to our above referenced NRC license to add a maximum possession of 1 Curie + 20% of Gd-153 sealed source for diagnostic use by those nuclear physicians on our current license who are appropriately qualified. The reason for the possession limit greater than 1 Curie is to allow temporary possession of two sources when exchanges are performed.

The Gd-153 will be the sealed source for the Lunar Radiation Corporation (Madison, Wisconsin) model DP3 spine scanner. This device has NRC registration number NR-430-D-101 S.

We also request amendment to add a maximum possession of 250 mCi of I-125 sealed source for diagnostic use in the SP2 NR-430-D-102-S.

Additional information is as follows:

1. Regarding training of persons installing and replacing the Gd-153 source, Lunar Radiation Corporation will provide two days of on-site training with installation of their DP3 and SP2 scanners. This will include instruction on the installation and replacement of the Gd-153 and I-125 sources. Replacement of these sources will occur only under the supervision of the Radiation Safety Officer, or his designee, both of whom will have been trained by the manufacturer's representative. Installation of the sources and use of the DP3 and SP2 scanner shall not occur prior to such training by the Lunar Radiation Corporation representative.
2. The Lunar DP3 and SP2 spine scanner will only be used by and under the supervision of those nuclear physicians on our current NRC license who are already licensed for diagnostic nuclear imaging procedures and/or sealed source therapy procedures.
3. Semi-annual leak testing of the Gd-153 source and the I-125 source in the DP3 and SP2 scanner will be performed by using the Model LT-2 Leak Test Kit of S. A. Huber Consultants, Inc. - New Lenox, Illinois (NRC License 12-17503-01).
4. The spine scanner is scheduled to be located in our Nuclear Medicine Department as shown on the facility sketch submitted with our license renewal application dated January 16, 1985.

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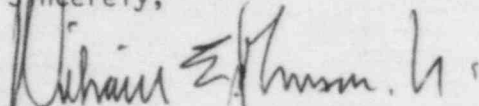
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5. The addition of these diagnostic devices does not represent changes in our receiving, accountability and other Radiation Safety Program procedures as defined in our current NRC license.

Our check for the amendment processing fee is enclosed. We appreciate any assistance in expediting this request, as we are most interested in offering this needed service as soon as possible. Thank you.

Sincerely,



William E. Johnson, Jr.
President

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