

SINCE 1903

Mercy Hospital

August 29, 1985



A DIVISION OF THE SISTERS OF MERCY HEALTH CORPORATION

1500 E. SHERMAN BLVD., P.O. BOX 358
MUSKEGON, MICHIGAN 49443 - (616) 739-9341

U.S. Nuclear Regulatory Commission
Region III
Materials Licensing Section
799 Roosevelt Rd.
Glen Ellyn, IL 60137

RE: NRC License No. 21-02187-01

Gentlemen:

We are requesting an amendment to our NRC License to allow use of 125 I and 153 Gd as sealed sources used in bone mineral analyzers. The bone mineral analyzers will be used under the supervision of Ronald L. Stuk, M.D., Donald W. Hack, M.D., Bruce L. Melrose, M.D. and Robert J. Fles, M.D. who are listed on our current license.

The bone mineral analyzers to be used will be the Lunar SP2, NRC Device Registration No. NR-430-D-102-S and the DP3, NRC Device Registration No. NR-430-D-101-S or similar NRC approved devices.

The sealed sources will be:

<u>Element and Mass Number</u>	<u>Chemical and/or Physical Form</u>	<u>Maximum Number of Millicuries of each form</u>
125 I	Ion exchange	400
153 Gd	GdO ₂	1500

The 125 I source will be the AECL C-324 or any equivalent NRC registered sealed source and the 153 Gd source will be the DuPont (New England Nuclear) NER-430 or any equivalent NRC registered sealed source.

The equipment will be operated according to the instructions provided by the manufacturer at the time of installation.

The amendment fee of \$120.00 is enclosed.

Thank you for your prompt attention to this request.

Respectfully,

Art DeMars
Art DeMars

Director Radiology Services

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Applicant Sept 12

Check No. 104113

Amount/Fee Category \$120 (7C)

Type of Fee Amendment

Date Check Rec'd 9/9

Received By SK / 9/14/85

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REGION III

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