



DETROIT OSTEOPATHIC HOSPITAL CORPORATION

21700 Greenfield Road • Oak Park, Michigan 48237 • (313) 968-2800

June 25, 1985

RETURN RECEIPT REQUESTED

Materials Licensing Branch
Division of Fuel Cycle and
Material Safety
U.S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Applicant	<i>July 12/85</i>
Check No.	<i>2762514128</i>
Amount Due	<i>7C</i>
Type of Fee	<i>Annual</i>
Date Check Rec'd	<i>7/23/85</i>
Received By	<i>EG</i>

Re: Byproduct Material License No. 21-04082-01

Gentlemen:

We wish to amend the above license to permit use of the bone mineral analyzers manufactured by Lunar Radiation Corporation; Madison, Wisconsin. Specifically, we would like to obtain up to two each of the following units:

Model SP2 with NRC Device Registration No. NR-430-D-102-S
Model DP3 with NRC Device Registration No. NR-430-D-101-S

For the model SP2, we wish to possess sealed sources manufactured by AECL, Model No. C234, each containing up to 300 millicuries of iodine-125. To allow for the operation of two such instruments, and for source exchanges, we request a possession limit of 800 millicuries.

For the model DP3, we wish to possess sealed sources of gadolinium-153, each containing up to 1300 millicuries manufactured by one of the following:

Gulf Nuclear	Model GD-1
Amersham	Model GDC.CY1
New England Nuclear	Model NER-430

To allow for the operation of two such instruments, and for source exchange, we request a possession limit of 3000 millicuries.

The above materials will be utilized only at one of the three hospital facilities covered by this license, and will be utilized by, or under the direct supervision of, one of the following individual users:

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Arthur R. Levine, D.O.
Malcolm E. Williamson, D.O.
George J. Leach, D.O.
Michael D. DeMattia, D.O.

Each of the individual users will be present during the on-site training program provided by the manufacturer during installation of the scanners.

The scanners will be operated only in accordance with instructions provided by Lunar Radiation Corporation.

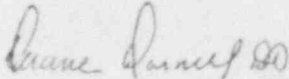
Source exchanges, on an as needed basis, and sealed source wipe testing, at intervals not to exceed six months, will be performed by or under the direct supervision of Ross V. Bunting, M.S., Radiation Protection Officer, in accordance with instructions provided by Lunar Radiation Corporation. Mr. Bunting will be present during the on-site training program provided by the manufacturer during installation of the scanners. Old sealed sources will be returned to the source supplier for disposal.

Servicing of the source shutter mechanism will be performed only by Lunar Radiation Corporation, on an as needed basis.

To facilitate this amendment, we are enclosing the category 7B amendment fee of \$120.00.

Please contact me if you need additional information.

Sincerely,



Duane R. Darnell, D.O.
Executive Vice President/Chief Medical Officer

Enclosure

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