



PORT HURON HOSPITAL

1001 KEARNEY ST. P.O. BOX 5011 PORT HURON, MICH. 48061 5011 (313) 987-5000
CHARLES W. MCKINLEY - PRESIDENT

4 February 1987

United States Nuclear Regulatory Commission
Region III, Office of Materials Licensing
799 Roosevelt Road
Glen Ellyn, IL 60137

ATTENTION: Bruce Mallett, Ph.D.

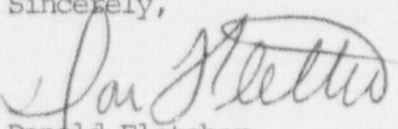
RE: Request for amendment to NRC license No. 21-20137-01

We hereby request the following changes to our NRC License:

1. A change of Radiation Safety Officer from William R. Stine, M.D. to Clare A. Scheurer, Jr. M. D.
2. The addition of Gadolinium-153 to our NRC License. Please see the additional information included, regarding the use of Gd-153.

Thank you for your cooperation regarding this matter. Enclosed is the \$120.00 License amendment fee per 10 CFR 170.31 7.C.

Sincerely,


Donald Fletcher
Administrator

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Log	7604 III
Remitter	
Gen. No.	15686
Fee	\$120
Ext. Category	7C
Type of Fee	amd
Date Completed	2/19/87
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PROCEDURES AND PRECAUTIONS FOR THE USE OF RADIOACTIVE MATERIAL SPECIFIED IN ITEM 6.b.

1. Device and Source Model Numbers

- a. Device: Lunar model DP3
- b. Source: Gd-153 sealed source
Lunar GB series or an NRC approved equivalent

Two sources have been requested to cover changes of sources.

2. Sealed Source Leak Tests

Leak tests at intervals not to exceed six (6) months will be performed capable of detecting the presence of 0.005 uCi of radioactive material on the test sample. The test sample will be taken from the sealed source or from the surface of the device in which the sealed source is permanently mounted or stored on which contamination might be expected to accumulate. Records of leak tests results will be kept in units of microcuries and maintained for inspection by the Commission. Medical Physics Consultants, Inc. of Ann Arbor, Michigan will perform the required tests.

3. Source Change

Sealed sources will be changed by this facility in accordance with the procedure manual provided with the unit (version 1 12-2-85). The individual responsible for the source exchange will be one of the authorized users. The Lunar Radiation Corporation will conduct a two-day training session to cover: installation and exchange of source, source leak testing, preparing decayed source for shipment, storage of source if it is not in the densitometer, and use of a survey meter.

4. Storage and Security

The unit will be used in a room exclusively for that purpose, properly locked and posted at all times. During off-duty hours a security system protects the building.

5. Personnel Monitoring

Whole-body and extremity monitors will be worn during source exchange.



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6. Source disposal

The sealed sources that have decayed or that are no longer needed will be returned to the source manufacturer.

7. Servicing/Maintenance

Servicing and maintenance of the bone mineral analyzer involving the source holder and/or shutter mechanism will be performed by the manufacturer or by persons specifically authorized by the Nuclear Regulatory Commission.

Port Huron Hospital



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NRC Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Gentlemen:

Please amend license number 21-10237-01 to include Gd-153 for dual-photon absorptiometry. We request a 3000 mCi possession limit (two sources-to cover source changing). Our authorized user(s) are as listed on our present License.

Attached is the \$120.00 amendment fee.

Sincerely,

Donald Fletcher
Administrator

RADIATION SAFETY COMMITTEE

Claire A. Scheurer, M.D., RSO	Radiology
Herminio C. Calderon, M.D.	Radiology
B. John, M.D.	Internal Medicine
Gary LeRoy	Administration/V.P. Support Services
Jo Boddy, R.N.	Nursing
John Waud, Ph.D.	Laboratory
Gerald Wesley, RT	Director of Medical Imaging
Ed Fuller, NMT	Coordinator Nuclear Medicine