NRC Form 374A (5-84) U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number: 12-15562-01

Docket or Reference number: 030-09349

Amendment No. 09

St. Margaret's Hospital
600 E. First Street
Spring Valley, IL 61362

In accordance with letter dated September 25, 1985, License Number 12-15562-01 is amended as follows:

Items 6., 7., 8., and 9. are amended to add:

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
E. Iodine-125	E. Sealed sources (AECL Model C-324 or C-235 in Model C-236 source holder or Amersham Corp. Model IMC.P2 contained in Lunar Radiation Corp. source holder)	E. 500 millicuries total (Not to exceed 250 millicuries per source)
F. Gadolinium-153	F. Sealed source (Lunar Radiation Corp. GD Series, Gulf Nuclear Model GD-1, New England Nuclear Model NER-430 or NER-431, or Amersham Model GDC.CY1)	F. 2.0 curies total (Not to exceed 1.3 curies per source)

9. Authorized Use

E. For use in Lunar Radiation Corp. Model SP2 Forearm Scanncer for analysis of human bone mineral content.

F. For use in Lunar Radiation Corp. Model DP3 Spine Scanner for analysis of human bone mineral content.

Condition 17. is amended to read:

17. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated February 1, 1983 (including attached ALARA Program); and letters dated July 8, 1985 and September 25, 1985. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

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Conditions 18., 19., and 20. are added:

18. A. (1) Each sealed source containing licensed material, other than hydrogen-3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months; except the sealed sources containing licensed material specified in Subitem F. may be leak tested at intervals not to exceed one year. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source received from another person shall not be put into use until tested.

(2) The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.

B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.

C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the test with the U.S. Nuclear Regulatory Commission, Region III, 799 Roosevelt Road, Glen Ellyn, Illinois 60137, describing the equipment involved, the test results, and the corrective action taken.

D. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically authorized by the Commission or an Agreement State to perform such services.

19. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.

20. The licensee shall have available and follow the instructions contained in the manufacturer's manual for the bone densitometer.

For the U.S. Nuclear Regulatory Commission

Date OCT 21 1985

Original Signed
By Patricia J. Whiston
Materials Licensing Section, Region III

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