

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

21-24447-01

Docket or Reference number

030-28589

Amendment No. 01

McAuley Clinic Corporation
5333 McAuley Drive
Ann Arbor, MI 48106

In accordance with letters dated September 18, 1985 and October 31, 1985, License Number 21-24447-01 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

D. Gadolinium-153

D. Sealed source (Lunar Radiation Corp. GD Series)

D. Two sources not to exceed 1.5 curies each, 3 curies total

9. Authorized Use

D. For use in a Lunar Radiation Corp. Model DP3 Spine Scanner for human bone mineral analysis.

Conditions 12. and 17. are amended to read:

12. Licensed material shall be used by Lamar J. Hankamp, M.D., William H. Straub, M.D., Francis J. Pauli, M.D. or John W. Keyes, Jr., M.D.

17. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Application dated January 28, 1985;
- B. Letter dated March 7, 1985;
- C. Letter dated September 18, 1985; and
- D. Letter dated November 20, 1985.

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

18. A. (1) The source(s) specified in Item(s) 7.D. shall be tested for leakage and/or contamination at intervals not to exceed 12 months. Any source received from another person which is not accompanied by a certificate indicating that a test was performed within 12 months before the transfer shall not be put into use until tested.

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(2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.

- B. Any source in storage and not being used need not be tested. When the source is removed from storage for use or transfer to another persons, it shall be tested before use or transfer.
- C. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more to removable contamination, the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region III, 799 Roosevelt Road, Glen Ellyn, Illinois 60137, ATTN: Chief, Nuclear Materials Safety and Safeguards Branch. The report shall specify the source involved, the test results, and corrective action taken. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. Records may be disposed of following Commission inspection.
- D. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically licensed 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 source holders by the licensee.
20. Source holders shall be exchanged in the Lunar Radiation Corp. Scanner specified in Subitem 9.D. by an individual authorized in Condition 12.

For the U.S. Nuclear Regulatory Commission

Date JAN 22 1986

Original Signed
By Bruce S. Mallett
Materials Licensing Section, Region III

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