

**MATERIALS LICENSE**  
SUPPLEMENTARY SHEET

License number

37-00865-10

Docket or Reference number

030-15085

Amendment No. 05

The Montefiore Hospital Association  
of Western Pennsylvania  
3459 Fifth Avenue  
Pittsburgh, Pennsylvania 15213

In accordance with letter dated May 14, 1985, License Number 37-00865-10 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 |
| M. Cesium 137   | M. Sealed source (Oak Ridge National Laboratory Model ORNL-RAMCO-50) | M. Not to exceed 3264 curies per source.                                       |

9. Authorized use

- M. For use in AECL Model Gamma Cell 1000D self-contained irradiator, for irradiation of lab samples.

CONDITIONS

Condition 25. is amended to read:

25. 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 July 26, 1984, and letters dated March 21, 1985, April 3, 1985, and May 14, 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.

Conditions 26., 27., 28. and 29. are added:

26. Sealed sources containing licensed material shall not be opened or removed from the irradiator by the licensee.
27. A. Each sealed source containing licensed material contained in the irradiator shall be tested for leakage and/or contamination at intervals not to exceed six months. 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.

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(continued)

CONDITIONS

- B. The test shall be capable of detecting the presence of 0.05 microcurie of contamination on the test sample. The test samples shall be taken from appropriate accessible surfaces of the device in which the sealed source is permanently or semipermanently mounted or stored. 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 0.05 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 I, 631 Park Avenue, King of Prussia, Pennsylvania 19406, 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.
28. The procedures contained in AECL's instruction manual for the "Gammacell 1000D" device shall be followed and a copy of this manual shall be made available to each person using or having responsibility for the use of licensed material.
29. After installation of the irradiator and Cesium 137 or Cobalt 60 source and prior to initiation of the irradiation program, a radiation survey shall be conducted to determine radiation levels around, above, and below the irradiator with the source in the irradiate position and with the source in the shielded position. A detailed report in duplicate of the results of the surveys shall be sent to the U. S. Nuclear Regulatory Commission, Region I, Nuclear Materials Section, 631 Park Avenue, King of Prussia, Pennsylvania 19406, not later than thirty (30) days following installation of the source.

For the U.S. Nuclear Regulatory Commission

Original Signed By:

Jenny M. Johansen

By

Nuclear Materials Safety and  
Safeguards Branch, Region I  
King of Prussia, Pennsylvania 19406

Date JUL 25 1985