

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

13-02752-03

Docket or Reference number

030-01609

Amendment No. 52

Indiana University
1100 West Michigan Street
Indianapolis, IN 46223

In accordance with application dated April 9, 1985, License Number 13-02752-03 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

P. Cesium-137

P. Sealed sources
(ORNL-RAMCO-50 or
ISO-1000)

P. 1440 curies

9. Authorized Use

P. To be used in an AECL Gammacell 1000B irradiator for irradiation of blood or blood components.

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 applications dated May 23, 1979 and April 9, 1985; letters dated July 23, 1979, July 10, 1980, March 8, 1982, April 20, 1982, and May 2, 1985; and ALARA Program contained in letter dated July 24, 1981. 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 28. and 29. are added:

28. The procedures contained in AECL's instruction manual for the "Gammacell 1000B" 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. This license does not authorize repairs or alterations of the irradiator involving removal of shielding or access to the licensed material except as provided otherwise by specific condition of this license. Removal, replacement and disposal of sealed sources shall be performed on the device manufacturer or by other persons specifically authorized by the Commission or an Agreement State to perform such activities.

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For the U.S. Nuclear Regulatory Commission

Original Signed

By William J. Adam, Ph.D.

Materials Licensing Section, Region III

Date May 17, 1985

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