

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number
12-00509-03

Docket or Reference number
030-00653

Amendment No. 43

The University of Chicago
5801 South Ellis Avenue
Chicago, IL 60637

In accordance with letter dated August 16, 1985, License Number 12-00509-03 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 |
|---|-------------------------------------|---|

- | | | |
|---------------|---|---------------------|
| U. Cesium-137 | U. Sealed source
(AECL Model ISO-1000) | U. 720 curies total |
|---------------|---|---------------------|

9. Authorized Use

- U. For use in an AECL Gamma Cell 1000A Irradiator (self-contained) for irradiation of blood products.

Condition 22. is amended to read:

22. 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 June 27, 1978 and July 31, 1978; and letters dated July 30, 1976, August 20, 1976, February 11, 1977, December 11, 1978, March 8, 1979, December 2, 1980, January 16, 1981, July 17, 1981, March 4, 1982, March 25, 1982, March 29, 1983, March 12, 1984, April 25, 1985, August 16, 1985 and November 20, 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 24., 25. and 26. are added:

24. The procedures contained in AECL's instruction manual for the "Gammacell 1000A" 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.
25. After installation of the irradiator and Cesium 137 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 of the results of the surveys shall be sent to the Materials Licensing Section, U. S. Nuclear Regulatory Commission, Region III, 799 Roosevelt Road, Glen Ellyn, Illinois 60137, not later than thirty (30) days following installation of the source.

8602200309 851212
REG LIC30
12-00509-03 PDR

1/1 COPY 2
me30
8512/12/85

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

12-00509-03

Docket or Reference number

030-00653

Amendment No. 43

26. 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 irradiator by the device manufacturer or by other persons specifically authorized by the Commission or an Agreement State to perform such activities.



For the U.S. Nuclear Regulatory Commission

Date

DEC 12 1985

Original Signed
By B. J. Holt
Materials Licensing Section, Region III

COPY