

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License number

12-00509-03

Docket or Reference number

030-00653

Amendment No. 44

University of Chicago  
5801 South Ellis Avenue  
Chicago, IL 60637

In accordance with letters dated December 23, 1985 and January 7, 1986, License Number 12-00509-03 is amended as follows:

Subitems 6.J., 7.J., and 8.J. are amended to read:  
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

J. Any byproduct material listed in Group VI of Schedule A, Section 35.100 of 10 CFR 35

J. Any sealed source listed in Group VI of Schedule A, Section 35.100 of 10 CFR 35

J. 5 curies total for all sources authorized in Subitem 6.J

V. Cobalt-60

V. Sealed source pencils (AECL Model Nos. C-166, C-167, C-185 or C-198)

V. 26,400 curies total

9. Authorized Use

V. For use in an AECL Gammacell 220 irradiator (self-contained) for irradiation of biological samples and animals for research purposes.

Conditions 22., 25., and 26. are amended to read:

22. 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. Applications dated June 27, 1978 and July 31, 1978; and

B. 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, November 20, 1985, December 23, 1985, and January 7, 1986.

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25. After installation of the irradiators and the sealed sources and prior to initiation of the irradiation program, a radiation survey shall be conducted to determine radiation levels around, above, and below the irradiators with the sources in the irradiate position and with the sources 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 sources.
26. This license does not authorize repairs or alternations of the irradiators 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 irraidators by the device manufacturer or by other persons specifically authorized by the Commission of an Agreement State to perform such acitivities.



For the U.S. Nuclear Regulatory Commission

Date JAN 30 1986

Original Signed  
By Evelyn R. Matson  
Materials Licensing Section, Region III

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