

U. S. NUCLEAR REGULATORY COMMISSION
MATERIALS LICENSELicense No. 08-01738-03
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Amendment No. 13

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter 1, Parts 30, 31, 32, 33, 34, 35, 36, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s); and to import such byproduct and source material. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		In accordance with application dated May 31, 1975,	
1. Department of the Army Walter Reed Army Medical Center		3. License number 08-01738-03 is amended in its entirety to read as follows:	
2. Washington, D. C. 20012		4. Expiration date August 31, 1980	
		5. Docket or Reference No. -	
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	
A. Cobalt 60	A. Sealed Sources (AECL)	A. No single source to exceed 16,000 curies	
B. Cobalt 60	B. Sealed Sources (AECL)	B. No single source to exceed 1,500 curies	
C. Cesium 137	C. Sealed Sources (AECL Model G-161-type 8)	C. 4,200 curies (No single source to exceed 2100 curies)	
9. Authorized use			
A. To be used in AECL Gammacell 220 irradiator located in Room 48, Building 40, WRAIR, Washington, D. C., for medical research and development and radiation dosimetry.			
B. To be used in AECL Gammacell 220 Irradiator located in Building 500, Forest Glen Section, WRAMC, Montgomery County, Maryland, for medical research and development and radiation dosimetry.			
C. To be used in AECL Gammacell 40 Irradiator located in Room 48, Building 40, WRAIR, Washington, D. C., for small animal irradiation, medical research, development, and radiation dosimetry.			

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CONDITIONS

10. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."
11. Licensed material shall be used by, or under the supervision of, individuals designated by the Isotope Committee, Commanding General, Walter Reed Army Medical Center, Chairman.
12. A. Each sealed source containing licensed material 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.
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, Office of Inspection and Enforcement, 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, or under the supervision of, individuals designated by the Isotope Committee, Commanding General, Walter Reed Army Medical Center, Chairman.

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CONDITIONS

(Continued)

13. Written administrative instructions entitled, "Operation and Safety Procedures to be Followed for AECL Gammacell 220 Irradiator", and "Operation and Safety Procedures to be Followed for Small Animal Irradiator", both dated March 25, 1965, as amended by letter dated June 22, 1965, AECL Gammacell 220 Radiation Protection Survey dated May 30, 1975, and "Operation and Safety Procedures to be Followed for AECL Gammacell 220 Irradiator", dated June 17, 1975, shall be followed and a copy of these instructions shall be made available to each individual using or having responsibility for use of licensed material. Any changes in these instructions shall have the prior approval of the Materials Branch, Division of Materials and Fuel Cycle Facility Licensing, U. S. Nuclear Regulatory Commission.
14. The licensee is authorized to remove two (2) sealed sources from the small animal irradiator to facilitate repair to the irradiator. This operation may be repeated with two (2) other sealed sources of the irradiator when the two (2) preceding sources have been safely returned to the small animal irradiator. Source removal and replacement shall be in accordance with the statements, representations, and procedures contained in the enclosures with the letter dated August 28, 1963, signed by W. V. Davis, letter dated November 22, 1963, signed by W. V. Davis, and the enclosures with the letter dated November 22, 1963, signed by W. V. Davis.
15. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Subitems 6.C., 7.C., and 8.C. of this license in accordance with statements, representations, and procedures contained in letter dated July 18, 1972, signed by LTC James A. Phillips and operating procedures dated November 1, 1972 and as submitted with letter dated December 29, 1972 and Items 6, 7, and 8 in accordance with application and attachments thereto dated May 31, 1975.

Date

OCT 17 1975

For the U. S. Nuclear Regulatory Commission

ORIGINAL SIGNED BY

MELVIN W. SHUPE

Materials Branch

Division of Materials and Fuel Cycle

Facility Licensing
Washington, D. C. 20555

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