

MATERIALS LICENSE

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 I, Parts 30, 31, 32, 33, 34, 35, 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). 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 letter dated October 30, 1984	
1. Veterans Administration Medical Center		3. License number 05-01401-06 is amended in its entirety to read as follows:	
2. 1055 Clermont Street Denver, Colorado 80220		4. Expiration date August 31, 1990	
		5. Docket or Reference No. 030-17095	
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 source (AECL Model C-167)	A. 10,000 curies	
9. Authorized use:			
A. To be used in an AECL Gammacell Model 220 irradiator for the irradiation of material for medical research, excluding explosives and corrosives.			

CONDITIONS

10. Licensed material shall be used only at Veterans Administration Medical Center, 1055 Clermont Street, Building 21, Denver, Colorado.
11. 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."
12. Licensed material shall be used by, or under the supervision and physical presence of, individuals designated by the licensee's Radiation Safety Committee.

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number
05-01401-06

Docket or Reference number
030-17095

Amendment No. 01

13. A. Each sealed source containing licensed material shall be tested for leakage and/or contamination at intervals not to exceed 6 months. In the absence of a certificate from a transferor indicating that a test has been made within 6 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 Region IV, U. S. Nuclear Regulatory Commission, 611 Ryan Plaza Dr., Suite 1000, Arlington, Texas 76011, describing the equipment involved, the test results, and the corrective action taken.
- D. The licensee is authorized to collect and analyze leak test samples in accordance with the procedures described in the licensee's application dated October 2, 1979. Alternatively, leak test samples may be collected and/or analyzed by other persons specifically authorized by the Commission or an Agreement State to perform such services.
14. Sealed sources containing licensed material shall not be opened or removed from the AECL Gammacell Model 220 irradiator by the licensee.
15. The procedures contained in AECL's instruction manual for the "Gammacell 220" 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.
16. 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 October 2, 1979, and letter dated October 30, 1984. 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.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Original Signed By
Jack E. Whitten

Date AUG 26 1985

By

Nuclear Materials Safety Section
Region IV
Arlington, Texas 76011

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