

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		
1. Department of the Army U.S. Army Electronics Research and Development Command, DELSD-SF 2. Fort Monmouth, New Jersey 07703		In accordance with application received June 12, 1978, 3. License number 29-01022-10 is amended in its entirety to read as follows:
		4. Expiration date July 31, 1983 5. Docket or Reference No.
6. Byproduct, source, and/or special nuclear material A. Cobalt 60	7. Chemical and/or physical form A. Sealed sources (Curtis-Wright Dwg. D700129F)	8. Maximum amount that licensee may possess at any one time under this license. A. Not to exceed 125,000 curies total

9. Authorized use:

A. For irradiation of nonexplosive materials.

CONDITIONS

10. Licensed material shall be used only at the licensee's facility located in Building 401, Evans Area, Fort Monmouth, New Jersey.

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 of, individuals designated by the licensee's Ionizing Radiation Control Committee.

13. Sealed sources containing licensed material shall not be opened.

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MATERIALS LICENSE

Supplementary Sheet

License Number 29-01022-10

Docket or
Reference No. _____

CONDITIONS

Amendment No. 03

(continued)

14. A. (1) Each sealed source containing licensed material, other than Hydrogen-3, with a half-life greater than thirty days and in any form other than gas 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.

(2) The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.

B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. 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 0.005 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 I, U. S. Nuclear Regulatory Commission, 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 the licensee or by other persons specifically authorized by the Commission or an Agreement State to perform such services.

15. 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 received June 12, 1978.

Date JUL 3 1978

For the U. S. Nuclear Regulatory Commission
Original Signed By
PAUL R. GUINN
by Radioisotopes Licensing
Division of Materials and Fuel
Facility Licensing
Washington, D. C. 20555

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