

U. S. NUCLEAR REGULATORY COMMISSION
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 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.

<p>Licensee</p> <ol style="list-style-type: none">Department of the Army U. S. Army Electronics Research Development Command, DELRD-SY Fort Monmouth, New Jersey 07703	<p>In accordance with application dated August 7, 1978</p> <ol style="list-style-type: none">License number 29-01022-07 is awarded in its entirety to read as follows:Expiration date August 31, 1984Docket or Reference No.
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<p>3. Byproduct, source, and/or special nuclear material</p> <ol style="list-style-type: none">Cobalt 60Cobalt 60	<p>7. Chemical and/or physical form</p> <ol style="list-style-type: none">[][]	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <ol style="list-style-type: none">[][]
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9. Authorized use

A. and B. For use in a custom designed irradiator facility for irradiation studies and for instrument calibration.

CONDITIONS

- Licensed material shall be used only at the licensee's facilities in Evans Area, Fort Monmouth, New Jersey.
- 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."

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Information in this record was deleted
in accordance with the Freedom of Information
Act, exemptions 2
FOIA-2006-0238

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Supplementary Sheet

License Number 29-01022-07

CONDITIONS

Docket or

Reference No. _____

Amendment No. 09

(continued)

- 12. Licensed material shall be used by, or under the supervision of, individuals designated by the licensee's Ionizing Radiation Control Committee.
- 13. 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 the licensee or by other persons specifically authorized by the Commission or an Agreement State to perform such services.
- 14. Written instructions contained in Inclosure 8 of application dated August 7, 1978, 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 these instructions shall have the prior approval of the License Management Branch, Division of Fuel Cycle and Material Safety, U.S. Nuclear Regulatory Commission, Washington, D. C. 20555.
- 15. 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 only by the device manufacturer or by other persons specifically authorized by the Commission or an Agreement State to perform such services.

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(continued)

- 16. After installation of the irradiator and/or replacement of Cobalt 60 sources and prior to initiation of the irradiation program, a radiation survey shall be conducted to determine the maximum radiation levels in each area adjoining the irradiation room. A detailed report of the results of the surveys shall be sent to the Radioisotopes Licensing Branch, Division of Fuel Cycle and Material Safety, U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, not later than thirty (30) days following installation of the source. A copy of such report shall also be sent to the U. S. Nuclear Regulatory Commission, Region I, Office of Inspection and Enforcement, 631 Park Avenue, King of Prussia, Pennsylvania 19406.
- 17. 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 August 7, 1978 as amended by letter dated June 14, 1979. 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.

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Date _____

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For the U. S. Nuclear Regulatory Commission
Original signed by
PAUL R. GUINN
by _____
License Management Branch

Division of Fuel Cycle and
Material Safety
Washington, D.C. 20555