

MATERIALS LICENSE

Amendment No. 20

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.

<p>Licensee</p> <p>1. U. S. Army Communications - Electronic Command</p> <p>2. Fort Monmouth, New Jersey 07703</p>	<p>In accordance with application dated September 25, 1987,</p> <p>3. License number 29-01022-07 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date May 31, 1991</p> <hr/> <p>5. Docket or Reference No. 030-06989</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Cobalt 60</p> <p>B. Cesium 137</p> <p>C. Cobalt 60</p>	<p>7. Chemical and/or physical form</p> <p>A. []</p> <p>B. []</p> <p>C. []</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. []</p> <p>B. []</p> <p>C. []</p> <p style="text-align: right;">82</p>
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9. Authorized use

A. and B. For irradiation of materials other than explosives, flammables, or corrosives.

C. For storage only.

CONDITIONS

10. Licensed material listed in Subitem 6.A. shall be used only at the Underground Vault Facility, Evans Area; licensed material listed in Subitem 6.B. shall be stored only at the Isotope Storage Facility, Building T-383, Evans Area; licensed material listed in Subitem 6.C. shall be stored only at the Underground Vault Facility, Evans Area. 82
11. A. Licensed material shall be used by or under the supervision of individuals who have completed the training described in application dated November 19, 1985 with enclosures and have been approved in writing by the Radiation Safety Officer.
- B. At least one individual qualified under Condition 11.A. shall be physically present at the authorized place of use whenever licensed material is being used.
- C. The Radiation Safety Officer for this license is Steven A. Horne.

Information in this record was deleted in accordance with the Freedom of Information Act, exemption 2

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

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(continued)

CONDITIONS

12. A. The sources specified in Item 7. shall be tested for leakage and/or contamination at intervals not to exceed 6 months. Any source received from another person which is not accompanied by a certificate indicating that a test was performed within 6 months before the transfer shall not be put into use until tested.
 - B. Any source in storage and not being used need not be tested. When the source is removed from storage for use or transfer to another person, it shall be tested before use or transfer.
 - C. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region I, ATTN: Chief, Nuclear Materials Safety and Safeguards Branch, 631 Park Avenue, King of Prussia, Pennsylvania 19406. The report shall specify the source involved, the test results, and corrective action taken. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. Records may be disposed of following Commission inspection.
 - D. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically licensed by the Commission or an Agreement State to perform such services.
13. Before initiation of irradiator operations or after reloading of sources in the irradiator and before restart of the irradiator, a radiation survey shall be conducted to determine radiation levels around, above and below the irradiator with the sources in the shielded position and in the exposed position. The results of the survey shall be sent to the U.S. Nuclear Regulatory Commission, Region Region I, ATTN: Chief, Nuclear Materials Safety and Safeguards Branch, 631 Park Avenue, King of Prussia, Pennsylvania 19406, not more than 30 days after the survey is conducted.
 14. Sealed sources containing licensed material shall not be opened.
 15. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 2 years from the date of each inventory.
 16. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material".

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CONDITIONS

17. 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. Application dated with enclosures May 22, 1984
- B. Letter with enclosures dated July 25, 1985
- C. Letter with enclosures dated November 19, 1985
- D. Letter dated May 13, 1986
- E. Letter dated August 13, 1986
- F. Letter dated September 25, 1987

For the U.S. Nuclear Regulatory Commission

Date 19 JAN 1988

Original Signed By:
Jack Davis
By _____
Nuclear Materials Safety and
Safeguards Branch, Region I
King of Prussia, Pennsylvania 19406