MATERIALS LICENSE

Amendment No. 30
CORRECTED COPY

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	
1. U. S. Army Communications - Electronic Command 2. Fort Monmouth, New Jersey 07703	In accordance with letter dated June 11, 1986, 3. License number 29-01022-06 is amended in its entirety to read as follows: 4. Expiration date May 31, 1987 5. Docket or Reference No. 030-05248

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. Any byproduct material with Atomic Numbers 1-83, except subitem 6.I.	A. Any	A. Not to exceed 1 curie per radionuclide and 6 curies total
B. Americium 241	B. Any	B. 35 millicuries
C. Cesium 137	C. Sealed sources	C. Not to exceed [redacted] curies per source and [redacted] curies total
D. Cobalt 60	D. Sealed sources	D. [redacted] curies
E. Hydrogen 3	E. Accelerator targets	E. Not to exceed 30 curies per target and 300 curies total
F. Hydrogen 3	F. Sealed light sources	F. 60 curies
G. Polonium 210	G. Sealed sources	G. 1 curies
H. Promethium 147	H. Sealed sources	H. 1.2 curies
I. Strontium 90	I. Sealed sources	I. Not to exceed 80 millicuries per source and 5 curies total

9. Authorized use

A. through I. Research and development as defined in Section 30.4(q) of 10 CFR Part 30, including use in training.

CONDITIONS

10. Licensed material shall be used only at the locations in New Jersey specified in supplement A of the licensee's application dated April 7, 1981, except the Neutron Generator Facility (NGF) at Fort Hancock, Sandy Hook, New Jersey.

11. Licensed material shall be used by, or under the supervision of, individuals designated by the licensee's Radiation Control Committee, Walter S. McAfee,

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

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

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(continued)

12. A(1) Each sealed source or detector cell acquired from another person and containing licensed material, other than hydrogen 3, with a half-life greater than 30 days and in any form other than gas shall be tested for contamination and/or leakage before use. In the absence of a certificate from a transferor indicating that a test has been made within 6 months before the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.

(2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source or detector cell is exempt from such leak tests when the source or detector cell contains 100 microcuries or less of beta and/or gamma emitting materials or 10 microcuries or less of alpha emitting material.

(3) Except for alpha sources, 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 before any use or transfer to another person unless they have been leak tested within 6 months before the date of use or transfer.

B. Each sealed source or detector cell fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to use or transfer as a sealed source or detector cell. If the inspection or test reveals any construction defects or 0.005 microcurie or greater of contamination, the source shall not be used or transferred as a sealed source or detector cell until it has been repaired, decontaminated and retested.

C. Each sealed source containing licensed material, other than hydrogen 3, with a half-life greater than 30 days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed 6 months except that each source designed for the purpose of emitting alpha particles shall be tested at intervals not to exceed 3 months.

D. 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 detector cell or from the surfaces of the device in which the sealed source or detector cell is permanently or semipermanently 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. Records may be disposed of following Commission inspection.

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(12. continued)

E. If the test required by Subsection A. or C. of this condition reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source or detector cell 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 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, describing the equipment involved, the test results, and the corrective action taken.

13. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material".

14. Each sealed source containing licensed material to be used outside of a shielded exposure device shall have a durable, legible, and visible tag permanently attached by a durable ring. The tag shall be at least 1 inch square, shall bear a conventional radiation symbol prescribed in Section 20.203(a) of 10 CFR Part 20, and a minimum of the following instructions: DANGER - RADIOACTIVE MATERIAL - DO NOT HANDLE - NOTIFY CIVIL AUTHORITIES IF FOUND.

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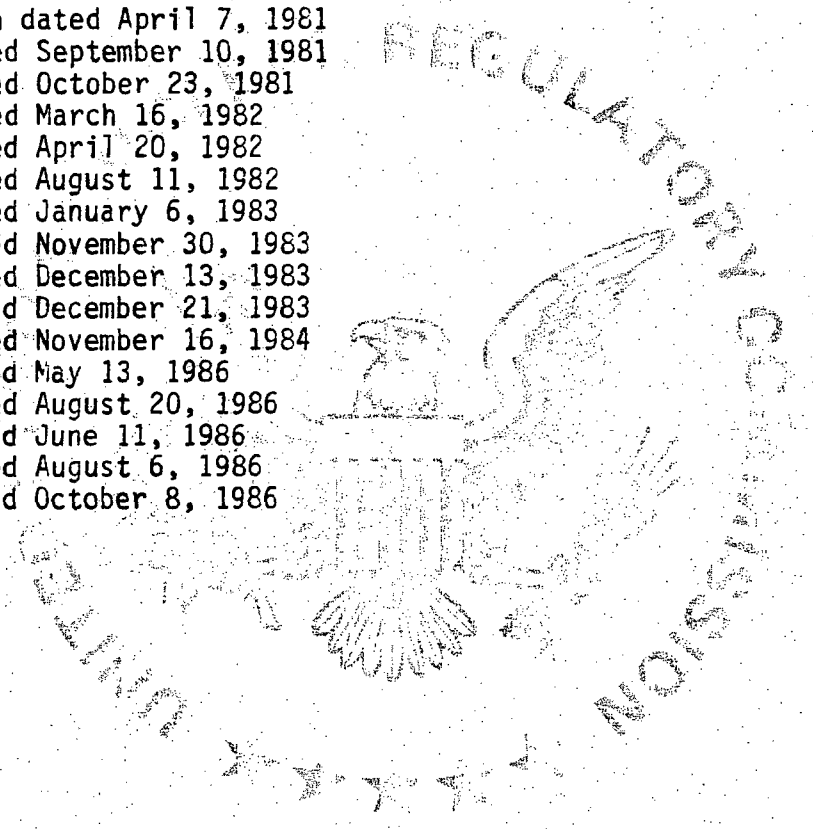
(continued) CONDITONS

15. 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 April 7, 1981
B. Letter dated September 10, 1981
C. Letter dated October 23, 1981
D. Letter dated March 16, 1982
E. Letter dated April 20, 1982
F. Letter dated August 11, 1982
G. Letter dated January 6, 1983
H. Letter dated November 30, 1983
I. Letter dated December 13, 1983
J. Letter dated December 21, 1983
K. Letter dated November 16, 1984
L. Letter dated May 13, 1986
M. Letter dated August 20, 1986
N. Letter dated June 11, 1986
O. Letter dated August 6, 1986
P. Letter dated October 8, 1986



Date 21 JAN 1987

For the U.S. Nuclear Regulatory Commission

By Original Signed By:
Thomas K. Thompson

Nuclear Materials Safety and
Safeguards Branch, Region I
King of Prussia, Pennsylvania 19406