

CORRECTED COPY

MATERIALS LICENSE

Amendment No. 27

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, 39, 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.

OFFICIAL RECORD COPY

Licensee Department of the Army 1. U. S. Army Communications - Electronic Command 2. Fort Monmouth, New Jersey 07703-5000		In accordance with letter dated June 26, 1995, 3. License number 29-01022-07 is amended in its entirety to read as follows:
		4. Expiration date October 31, 1997
		5. Docket or Reference No. 030-06989
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. Cesium 137	A. []	A. [] $\times 2$
B. Cobalt 60	B. []	B. []

9. Authorized use

A. and B. For irradiation of materials except explosives and flammable materials.

CONDITIONS

- 10. Licensed material may be used only at the licensee's facilities at [] Evans Area, Wall Township, New Jersey. $\times 2$
- 11. A. Licensed material shall be used by, or under the supervision and in the physical presence of individuals who have received the training described in application dated April 18, 1991 and have been approved in writing by the Radiation Safety Officer. The licensee shall maintain records of individuals designated as users for three years following the last use of licensed material by the individual.
- B. The Radiation Safety Officer for this license is Joseph Santarsiero.
- 12. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders or detector cells by the licensee.
- 13. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed 3 years.

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

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[Signature]

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

29-01022-07

Docket or Reference number

030-06989

CORRECTED COPY

Amendment No. 27

(13. continued)

CONDITIONS

- B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.
- C. 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 or detector cell received from another person shall not be put into use until tested.
- D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.
- E. Sealed sources and detector cells need not be leak tested if:
- (i) they contain only hydrogen 3; or
 - (ii) they contain only a gas; or
 - (iii) the half-life of the isotope is 30 days or less; or
 - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
 - (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transfer to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- F. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission and the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The 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 Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406. The report shall specify the source involved, the test results, and corrective action taken.
- G. The licensee is authorized to collect leak test samples for analysis by the licensee. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.

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SUPPLEMENTARY SHEET

License number

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Amendment No. 27

(Continued)

CONDITIONS

- 14. 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 I, ATTN: Chief, Nuclear Materials Safety Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406, not more than 30 days after the survey is conducted.
- 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 5 years from the date of each inventory.
- 16. The licensee may transport licensed material in accordance with the provisions of 10 CFR 71, "Packaging and Transportation of Radioactive Material."
- 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 April 18, 1991
 - B. Letter dated July 23, 1991
 - C. Letter dated May 15, 1992
 - D. Letter dated July 6, 1993
 - E. Letter dated September 7, 1994
 - F. Letter dated November 3, 1994
 - G. Letter dated November 4, 1994
 - H. Letter dated June 26, 1995

For the U.S. Nuclear Regulatory Commission

Original Signed By:
Francis M. Costello

By

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

DEC 11 1995

Date _____

DEC 11 1994

John Manfre/AMCSF
Commander, US Army Materiel Command
Department of the Army
5001 Eisenhower Avenue
Alexandria, VA 22333-0001

Dear Mr Manfre:

Enclosed is the Corrected Copy of Amendment No. 27 for License No. 29-01022-07. In accordance with the our records review, the letters dated November 3 and 4, 1994 have been added to License Condition No. 17.

We apologize for any inconvenience this error may have caused.

Sincerely,

Original Signed By:
Francis M. Costello

Francis M. Costello, Chief
Nuclear Materials Safety Branch
Division of Nuclear Materials Safety

License No. 29-01022-07
Docket No. 030-06989
Control No. 122044

Enclosure:
Corrected Copy of Amendment No. 27

DOCUMENT NAME: R:\WPS\MLTR\L2901022.07

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OFFICE	DNMS/RI	N	DNMS/RI				
NAME	TWeidner/gcb		FCostello				
DATE	10/24/95		10/7/95		10/ /95		10/ /95

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