

MATERIALS LICENSE

Amendment No. 23

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.

<p>Licensee</p> <p>Department of the Army</p> <p>1. U. S. Army Communications - Electronic Command</p> <p>2.</p> <p>Fort Monmouth, New Jersey 07703</p>	<p>In accordance with letter dated November 13, 1990,</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;">X 2</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, [] Evans Area; licensed material listed in Subitem 6.C. shall be stored only at the Underground Vault Facility, [] Evans Area. X 2
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. Information in this record was deleted in accordance with the Freedom of Information Act, exemptions 2
- C. The Radiation Safety Officer for this license is Joseph Santarsiero. 2006-023

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

29-01022-07

Docket or Reference number

030-06989

Amendment No. 23

(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 Branch, 475 Allendale Road, 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 Branch, 475 Allendale Road, 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 5 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".

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

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Amendment No. 23

(Continued)

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
 - G. Letter dated July 27, 1988
 - H. Letter dated November 13, 1990

For the U.S. Nuclear Regulatory Commission
Original Signed By:

Thomas K. Thompson

By

Nuclear Materials Safety Branch
Region I

King of Prussia, Pennsylvania 19406

Date

MAR 28 1991

MAR 28 1991

License No. 29-01022-07
Docket No. 030-06989
Control No. 113819

Commander, U.S. Army Materiel Command
ATTN: AMCSF
5001 Eisenhower Avenue
Alexandria, Virginia 22333-0001

Gentlemen:

Please find enclosed an amendment to your NRC Material License.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the Region I Material Licensing Section, (215) 337-5093, so that we can provide appropriate corrections and answers.

Please be advised that you must conduct your program involving licensed radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, please note the items in the enclosed, "Requirements for Materials Licensees."

Please note that Condition 15 of your license now requires that records of physical inventories be retained for a period of five years.

Since serious consequences to employees and the public can result from failure to comply with NRC requirements, the NRC expects licensees to pay meticulous attention to detail and to achieve the high standard of compliance which the NRC expects of its licensees.

You will be periodically inspected by NRC. A fee may be charged for inspections in accordance with 10 CFR Part 170. Failure to conduct your program safely and in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in prompt and vigorous enforcement action against you. This could include issuance of a notice of violation, or in case of serious violations, an imposition of a civil penalty or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C.

Commander, U.S. Army Materiel Command 2

We wish you success in operating a safe and effective licensed program.

Sincerely,

Original Signed By:
Thomas K. Thompson

Thomas K. Thompson
Nuclear Materials Safety Section C
Division of Radiation Safety
and Safeguards

Enclosures:

1. Amendment No. 23
2. Requirements for Materials Licensees
3. NRC Forms 3 and 313



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DRSS:RI
Thompson

03/ /91

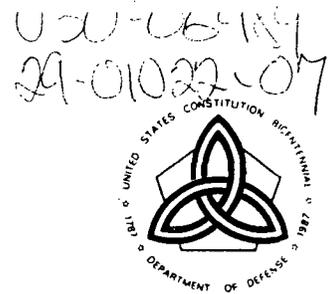
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ML 29-01022-07/LTR - 0002.0.0
03/14/91



DEPARTMENT OF THE ARMY
HEADQUARTERS, U. S. ARMY MATERIEL COMMAND
5001 EISENHOWER AVENUE, ALEXANDRIA, VA 22333-0001

November 13, 1990



Safety Office

U.S. Nuclear Regulatory Commission
Region I
ATTN: Materials Licensing Branch
475 Allendale Road
King of Prussia, Pennsylvania 19406

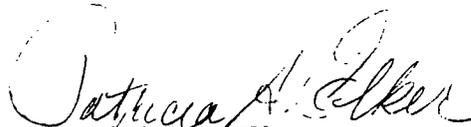
Reference: AMCSF-P/90-0212/0214

Gentlemen:

Forwarded are six copies of the U.S. Army Communications-Electronics Command's request to amend licenses 29-01022-06, 29-01022-07 and 29-01022-10. Army staffing is complete, and we recommend approval of the request. The amendment requests quarterly exchange intervals for thermoluminescent dosimeters in lieu of monthly exchange intervals.

Please acknowledge receipt of correspondence on the enclosed DA Form 209, Delay Referral or Follow-Up Notice. If you have any questions, please contact the undersigned at 703 274-5476.

Sincerely,


Patricia A. Elker
Acting Chief
Safety Office

Enclosures

Copies Furnished:
HQDA (SGPS-PSP-E) w/encl
Commander, CECOM, ATTN: AMSEL-SF wo/encl
Director, USAMC Field Safety Activity, ATTN: AMXOS

TOP SECRET

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DEPARTMENT OF THE ARMY
HEADQUARTERS, US ARMY COMMUNICATIONS-ELECTRONICS COMMAND
AND FORT MONMOUTH
FORT MONMOUTH, NEW JERSEY 07703-5000

REPLY TO
ATTENTION OF

AMSEL-SF-RER (385-11m)

29 August 1990

MEMORANDUM THRU Commander, U.S. Army Material Command, ATTN:
AMCSF-P, 5001 Eisenhower Avenue, Alexandria, VA
22333-0001

FOR U.S. Nuclear Regulatory Commission, Region 1, Materials
Section B, 475 Allendale Road, King of Prussia, PA 19407

SUBJECT: Amendment of U.S. Nuclear Regulatory Commission (NRC)
Licenses

1. Reference NRC Radioactive Material License Numbers 29-01022-06; 29-01022-07; and 29-01022-10.
2. Request referenced NRC Licenses be amended to provide for the quarterly exchange of personnel dosimetry, i.e. thermoluminescent dosimeters, TLD's, in lieu of the current monthly exchange.
3. NRC License No. 29-01022-06 (see enclosure 1) is issued for the use of radioactive material in research and development projects. Review of personnel radiation exposure records indicate that doses have been historically low.
4. NRC License No. 29-01022-07 (see enclosure 2) is issued for the storage and/or use of three sealed radiation sources housed in a underground vault; two utilizing approximately ² of Cobalt-60 and one utilizing approximately ² of Cesium-137. Upon entering the vault area, the Standard Operating Procedure requires that the operator carry a portable survey meter and wear a pocket dosimeter. Personnel radiation exposures have been below the minimum recordable levels.
5. NRC License No. 29-01022-10 (see enclosure 3) is issued for a ² Cobalt-60 sealed source submerged in a pool and is used for the irradiation of various materials. Ambient radiation levels surrounding the pool are less than twice background.
6. Our point of contact is Mr. Gary Ziola, commercial (201) 544-3112.
7. CECOM Bottom Line: THE SOLDIER.

3 Encls

STEVEN A. HORNE
Chief, Safety Office

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