

MATERIALS LICENSE

Amendment No. 36

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.

Licensee 1. Department of the Army U. S. Army Communications - Electronic Command 2. Fort Monmouth, New Jersey 07703-5000		In accordance with letter dated July 6, 1993, 3. License number 29-01022-06 is amended in its entirety to read as follows:	
		4. Expiration date June 30, 1992 (Extended)	
		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 B. Cesium 137 C. Cobalt 60 D. Strontium 90 E. Hydrogen 3 F. Uranium (Natural or Depleted) G. Thorium (Natural) H. Americium 241	A. Any B. Sealed sources C. Sealed sources D. Sealed sources E. Accelerator targets F. Any G. Any H. Any	A. Not to exceed 1 curie per radionuclide and 10 curies total B. [] curies C. [] curies Ex 2 D. 5 curies E. 30 curies F. 5 kilograms G. 10 kilograms H. 1 millicurie	

9. Authorized use

A. through H. Research and development as defined in 10 CFR 30.4; for training and instrument calibrations.

CONDITIONS

- 10. Licensed material may be used only at the licensee's facilities at U. S. Army Communications - Electronics Command (CECOM) and at Fort Monmouth, Fort Monmouth, New Jersey.
- 11. A. Licensed material shall be used by, or under the supervision of, individuals designated by the licensee's Radiation Safety Committee.
 B. The Radiation Safety Officer for this license is Joseph Santarsiero.
- 12. The licensee shall not use licensed material in or on human beings or in field applications where activity is released except as provided otherwise by specific condition of this license.

Information in this record was deleted in accordance with the Freedom of Information Act exemptions

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

29-01022-06

Docket or Reference number

030-05248

Amendment No. 36

(Continued)

CONDITIONS

13. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders or detector cells by the licensee.
14. 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.
- 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 krypton 85; 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.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number
29-01022-06

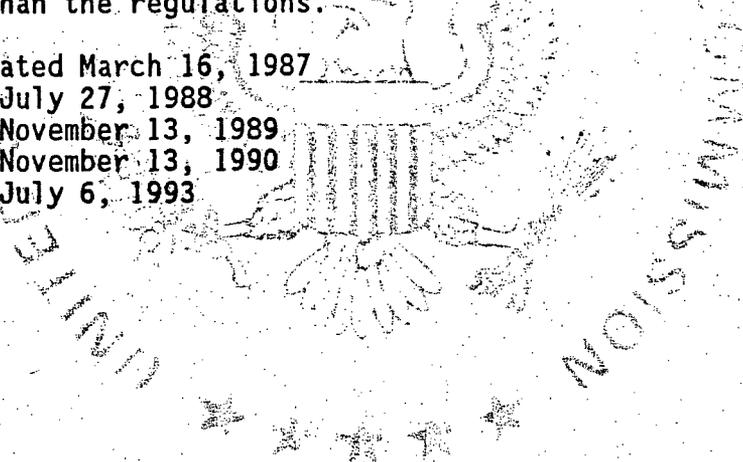
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Amendment No. 36

(14. Continued)

CONDITIONS

- 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.
- 15. The licensee may transport licensed material in accordance with the provisions of 10 CFR 71, "Packaging and Transportation of Radioactive Material."
- 16. The licensee shall not acquire licensed material in a sealed source or in a device that contains a sealed source unless the source or device has been registered with the Nuclear Regulatory Commission under 10 CFR 30.32(g) or with an Agreement State.
- 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 March 16, 1987
 - B. Letter dated July 27, 1988
 - C. Letter dated November 13, 1989
 - D. Letter dated November 13, 1990
 - E. Letter dated July 6, 1993



For the U.S. Nuclear Regulatory Commission

Original Signed By:

C. Thor Oberg

By

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

Date JUL 09 1993

JUL 09 1993

License No. 29-01022-06
Docket No. 030-05248
Control No. 118301

Department of the Army
ATTN: Barry J. Silber
AMSEL SF RE
Commander U. S. Army CECOM
Fort Monmouth, New Jersey 07703-5024

Dear Sir:

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."

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.

Department of the Army

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

Sincerely,

Original Signed By:
C. Thor Oberg

 John D. Kinneman, Chief
Research, Development and
Decommissioning Section
Division of Radiation Safety
and Safeguards

Enclosures:

1. Amendment No. 36
2. Requirements for Materials Licensees

bcc: C.T. Oberg, RI

 DRSS:RI
Oberg/smh

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DRSS:RI 
Kinneman 

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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

July 6, 1993

030-05248

Safety Office

U.S. Nuclear Regulatory Commission
 Region I
 Materials Section B
 475 Allendale Road
 King of Prussia, Pennsylvania 19406

This refers to the 1-2 July 1993 telephone conversations with Mr. Barry J. Silber of my office and Mr. Mark Roberts and Mr. John Kinneman, respectively, of your organization regarding U.S. Nuclear Regulatory Commission (NRC) License Numbers 29-01022-06, 29-01022-07, and 29-01022-10 assigned to this command. These licenses currently address fire protection response capabilities of 2-3 minutes by the Evans Area Branch of the Fort Monmouth Fire Department.

Due to the downsizing of the Army, and in particular, Fort Monmouth, and the readdressing of budgetary and manpower requirements, the Evans Area Branch of the Fire Department is being closed. The effected areas of concern is Building 9401 which houses the pool and vault gamma irradiators and radioisotope calibration room. Response to potential emergencies in the Evans Area will be addressed through the Central Station, thereby increasing the response time to 10-15 minutes.

Building 9401 is connected to the Central Station by a fire alarm system, which is manned 24 hours a day (Fort Monmouth Police/Fire). The Fort Monmouth guard service is also on-site patrolling 24 hours a day. A complete wet sprinkler system throughout the premises is to be installed to optimize the fire protection capabilities for Building 9401. Further, Building 9401 has been occupied for over 30 years and has never experienced any incidence of fire, and due to its materials of construction, and the materials of construction of the sealed radioactive sources utilized within the building, the potential for fire emergencies is highly unlikely.

We are requesting amendments to the aforementioned NRC licenses to reflect this change. In addition, we are requesting expeditious processing of these amendments in order to address the closure plan of 11 July 1993.

FEE EXEMPT

118301

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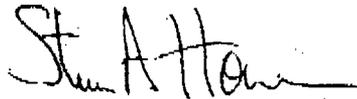
FAX REC JUL 06 1993

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The Point of Contact for this office is Mr. Barry J. Silber,
(201) 544-4427/3112.

Your cooperation in this matter is appreciated.

Sincerely,



Steven A. Horne
Chief, Safety Office

Copies Furnished:

Headquarters, Department of the Army, ATTN: SGPS-PSP-E
Commander, U.S. Army Materiel Command, ATTN: AMCSF-P
