

MATERIALS LICENSE

Amendment No. 34

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. Department of the Army
U.S. Army Communications -
Electronic Command
- 2. Fort Monmouth, New Jersey 07703-5000

In accordance with letter dated November 13, 1989,
3. License number 29-01022-06 is amended in its entirety to read as follows:

4. Expiration date June 30, 1992

5. Docket or Reference No. 030-05248
SMB-1183

- | | | |
|--|---|---|
| 6. Byproduct, source, and/or special nuclear material

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 | 7. Chemical and/or physical form

A. Any

B. Sealed sources
C. Sealed sources
D. Sealed sources
E. Accelerator targets
F. Any

G. Any
H. Any | 8. Maximum amount that licensee may possess at any one time under this license

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 Section 30.4(q) of 10 CFR Part 30, including use in training and instrument calibrations.

CONDITIONS

- 10. Licensed material may be used 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 Control Committee.
B. The Radiation Safety Officer for this license is Joseph Santarsiero.
- 12. Licensed material shall not be used in or on human beings.
- 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.

Information in this record was deleted in accordance with the Freedom of Information Act, exemptions 2
FOIA- 06-0228

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11/19/11

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

29-01022-06

Docket or Reference number

030-05248; SMB-1183

Amendment No. 34

(Continued)

CONDITIONS

14. 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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SUPPLEMENTARY SHEET

License number

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Amendment No. 34

(14. Continued)

CONDITIONS

- 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 Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406, describing the equipment involved, the test results, and the corrective action taken.
15. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 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

Date JAN 18 1990

For the U.S. Nuclear Regulatory Commission

Original Signed By:

By Francis M. Costello

Nuclear Materials Safety Branch
Region I

King of Prussia, Pennsylvania 19406

JAN 18 1990

License No. 29-01022-06
Docket No. 030-05248
Control No. 111720

Commander
U.S. Army Material Command
ATTN: AMCSF-P
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) 337-5239, 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.

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ML 29-01022-06/LTR - 0001.0.0
01/03/90

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

Sincerely,

Original Signed By:
Francis M. Costello

for John D. Kinneman, Chief
Nuclear Materials Safety Section B
Division of Radiation Safety
and Safeguards

Enclosures:

1. Amendment No. 34
2. Requirements for Materials Licensees

FMC
DRSS:RI
Eckert/tlm/mlb

01/15/90

FMC
DRSS:RI
Kinneman

01/15/90



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

November 13, 1989



Safety Office

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

Reference AMCSF-P/89-107

Gentlemen:

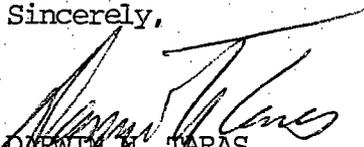
Reference memorandum, Headquarters, U.S. Army
Communications-Electronics Command (CECOM), AMSEL-SF-RER,
October 23, 1989, subject: Request for License Amendment
(enclosure 1).

Forwarded are two copies of CECOM's request to amend their
NRC license number 29-01022-06, Docket Number 030-05248,
expiration dated June 30, 1992. Request amendment to add
possession limit of 1 millicurie of americium-241 (Am-241), any
form, for use in CECOM radiation detecting instrumentation
calibration/counting equipment in accordance with paragraph 1.

We recommend approval of this amendment.

Please acknowledge receipt of correspondence on the
enclosed DA Form 209 Delay, Referral, or Follow-Up Notice. If
you require additional information, please contact Patricia
Elker, (202) 274-9340.

Sincerely,


DARWIN N. TARAS
Chief
Safety Office

Enclosures

Copies Furnished:

HQDA (DASG-PSP-E) w/encl
Commander, CECOM, ATTN: AMSEL-SF-RER w/encl
Director, USAMC Field Safety Activity, ATTN: AMXOS w/encl

RECEIVED
DIVISION OF ACQUISITION
90 JAN 22 P 2:30
U.S. NUCLEAR REG
COMMISSION

FEE EXEMPT

OFFICIAL RECORD COPY, ML18

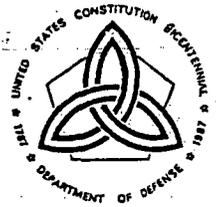
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DEPARTMENT OF THE ARMY

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



REPLY TO
ATTENTION OF

AMSEL-SF-RER (385-NGB)

23 October 1989

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

FOR U.S. Nuclear Regulatory Commission, Materials Section B, 475
Allendale Road, King of Prussia, PA 19406

SUBJECT: Request for License Amendment

1. Reference:

a. U.S. Nuclear Regulatory Commission (NRC) Radioactive
Materials License Number 29-01022-06, Docket Number: 030-05248
Expiration date: June 30, 1992.

2. Request the above NRC License be amended to allow for the
possession of up to 1 millicurie of Americium - 241 (Am-241), any
form, for use in CECOM radiation instrumentation calibration/
counting equipment.

3. The Am-241 source will be provided by Isotope Products
Laboratories, Burbank, CA. The source standard will be prepared
by a transfer method which deposits a uniform layer of
radioactive material onto the front surface of the filter paper.

4. Request an amendment be issued to allow for the procurement
of Am-241 sources from any provider manufacturer.

5. Our point of contact is Mr. Joseph Santarsiero, (AV) 995-3112
or (COMM) 201-544-4427.

6. CECOM Bottom Line: THE SOLDIER.

Steven A. Horne
STEVEN A. HORNE
Chief, Safety Office



DEPARTMENT OF THE ARMY

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



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ATTENTION OF

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6. CECOM Bottom Line: THE SOLDIER.

Steven A. Horne
STEVEN A. HORNE
Chief, Safety Office

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