

## MATERIALS LICENSE

Amendment No. 26

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		In accordance with letter dated September 7, 1994,	
1. Department of the Army U. S. Army Communications - Electronic Command		3. License number 29-01022-07 is amended in its entirety to read as follows:	
2. Fort Monmouth, New Jersey 07703-5000		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. [ ]	
B. Cobalt 60	B.	B. [ ] Ex 2	
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. [ ] Ex 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, not to exceed 3 years.			

Information in this record was deleted in 10 CFR 32.210, not to exceed 3 years. in accordance with the Freedom of Information Act, exemption 2  
FOIA 2006-0238 EE/19

200057

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**MATERIALS LICENSE**  
**SUPPLEMENTARY SHEET**

License number

29-01022-07

Docket or Reference number

030-06989

Amendment No. 26

(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.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License number

29-01022-07

Docket or Reference number

030-06989

Amendment No. 26

(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

NOV - 3 1994

Date \_\_\_\_\_

For the U.S. Nuclear Regulatory Commission

Original Signed By: -

Tara Weidner

By

Nuclear Materials Safety Branch  
Region I

King of Prussia, Pennsylvania 19406

November 3, 1994

License No. 29-01022-07  
Docket No. 030-06989  
Control No. 120444

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

Dear Mr. Manfre:

This refers to your license amendment request. Enclosed with this letter is the amended license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the Conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I office, the Licensing Assistance Section, (610) 337-5093 or 5239, so that we can provide appropriate corrections and answers.

Thank you for your cooperation.

Sincerely,

**Original Signed By:**  
**Tara Weidner**

Tara L. Weidner  
Nuclear Materials Safety Branch  
Division of Radiation Safety  
and Safeguards

Enclosures:

1. Amendment No. 26
2. 10 CFR Parts 2, 19, 20, 30, and 170
3. NRC Form 3 and 313

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

OFFICE	DRSS/RI	DRSS/RI	DRSS/RI	DRSS/RI
NAME	TWeidner/gcb			
DATE	11/03/94	11/ /94	11/ /94	11/ /94

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ML 10



REPLY TO  
ATTENTION OF

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



AMSEL-SF-RER (385-11m)

4 November 1994

MEMORANDUM FOR U.S. Nuclear Regulatory Commission, Region I,  
475 Allendale Road, ATTN: Docket No. 030-06989,  
King Of Prussia, PA 19406-1415

SUBJECT: Request for License Amendment/Renewal for NRC license  
29-01022-07

030-06989

1. References:

a. FONECON between Mr. Hugo Bianchi, this office and  
Mr. C. Oberg, your office, 11 October 1994, SAB.

b. Amendment No. 25 of subject license.

2. As discussed during reference 1a FONECON, an amendment to  
subject license is requested for the purpose of removing the  
warning light from the top of the earth mound adjacent to  
building 9401. Request deletion of the last sentence in  
Supplement D, paragraph 4c, which reads:

"Other warning lights that are lit when either source is "up"  
are located on top of the earth mound, in the hall at the top of  
the stairs, and on the control console."

Replace the deletion with the following:

"Other warning lights that are lit when either source is "up"  
are located in the hall at the top of the stairs and on the  
control console."

3. Justification for the above:

a. A survey of the mound, with the Cobalt 60 source "UP",  
was performed. No survey points were found to have meter  
readings above background radiation. A copy of the survey is  
provided at the enclosure.

b. A security fence constructed of standard FE-6 chain link  
fencing with top guard of 3 strand barbed wire has been erected  
to completely enclose [ ] the earth mound and other  
structures in the Evans area used for radiological purposes. X 2  
Access to the fenced in area will be restricted to all except  
essential radiological personnel during normal duty hours. The  
security fence will be padlocked after normal duty hours.

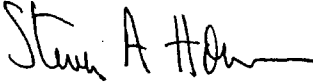
c. The Cobalt 60 source has decayed to approximately [ ]  
well below the possession limit of [ ] X 2

AMSEL-SF-RER

SUBJECT: Request for License Amendment/Renewal for NRC license  
29-01022-07

- d. The Cesium 137 source has decayed to approximately (319 82  
well below the possession limit of [ ]
4. Our POC is Mr. Hugo Bianchi, AMSEL-SF-RER, Voice (908)  
544-3112; Facsimile (908) 542-7161.
5. CECOM Bottom Line: THE SOLDIER.

Enclosure

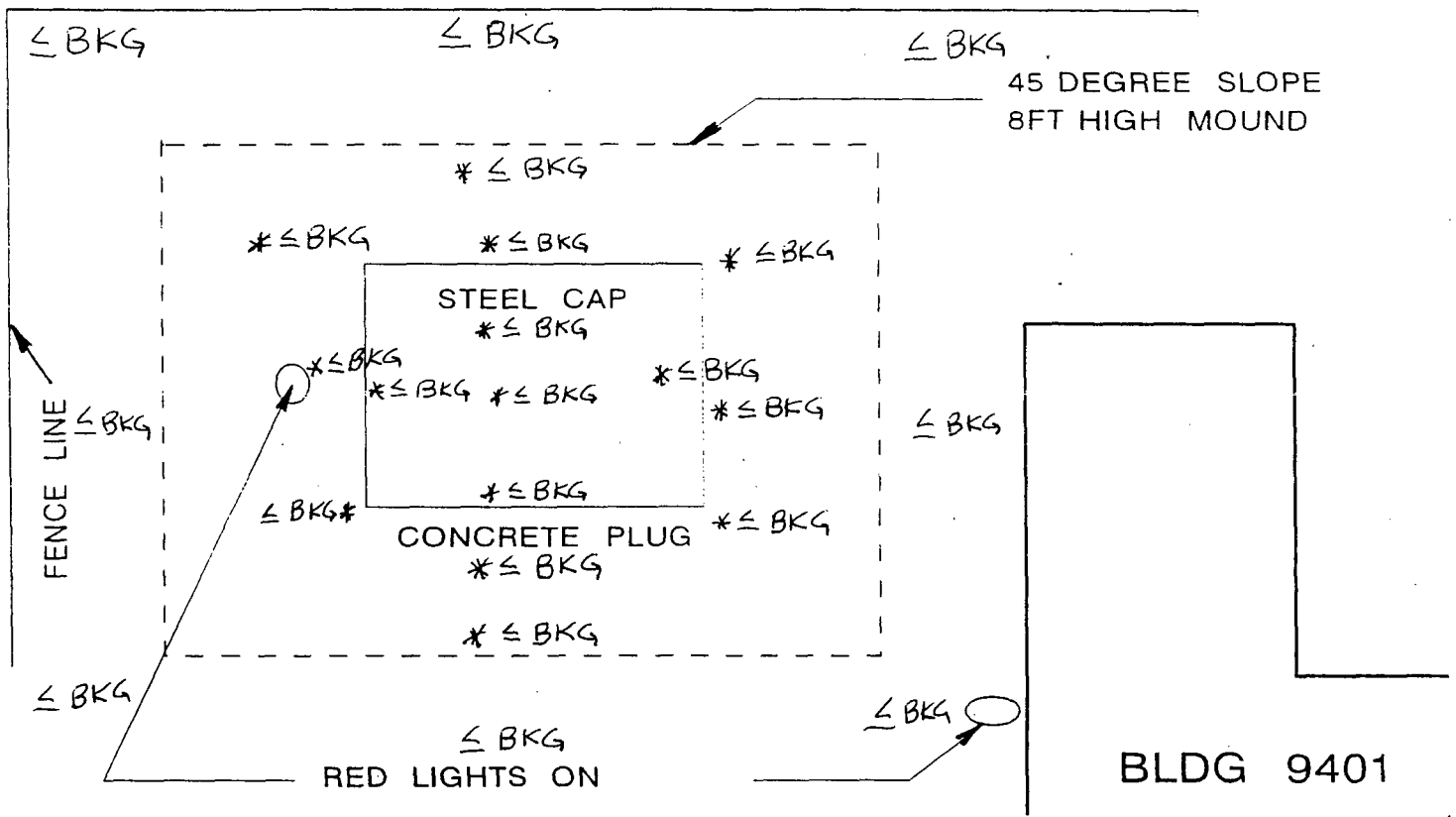
  
STEVEN A. HORNE  
Chief, Safety Office

# RADIATION SURVEY

## OUTSIDE BUILDING 9401

### UNDERGROUND VAULT

### EVANS AREA



Legend: \* Contact reading  
 NOTE: READINGS TAKEN WITH ONLY Co-60 SOURCE ENGAGED. *RD*

Background 2.05E-2 mR/hr

SOP/Radiation Permit NA

Dosimetry Requirements NA

Caution Radioactive Mat'l NA

NRC Form 3 NA

Caution Radiation Area NA

Section 206 NA

Caution High Rad Area NA

Notice to Workers NA

System Activation Lights

Passed/Failed/N/A

COMMENTS: All readings are in mR/hr at waist level (36") unless otherwise indicated. BOTH SOURCES CANNOT BE ENGAGED SIMULTANEOUSLY. *RD*

Survey instrument/Probe: ESP-2 EBERLINE / HP-270

Inst./Probe Serial #: 01911 / 717883 Pre Op Checks Performed: Sat/Unsat

Cal Due Date: 9 DEC 94 Surveyor: Ronald Degumbia Date: 28 OCT 94

RONALD DEGUMBIA  
 SSG, USA  
 Health Physics Technician



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

REPLY TO  
ATTENTION OF



MS 16  
J-9

AMSEL-SF-RER (385-11m)

3 November 1994

MEMORANDUM FOR U.S. Nuclear Regulatory Commission, Region I, 030-069  
475 Allendale Road, ATTN: Docket Numbers  
030-05248, -06989, -09718, King of Prussia, PA  
19406

SUBJECT: Request for License Amendment to NRC License Numbers  
29-01022-06, 29-01022-07, and 29-10122-10

1. References:

a. FONECON between Mr. Hugo Bianchi, CECOM Safety Office and  
Ms. Tara Weidner, NRC Region I, 28 October 1994, SAB.

b. NRC License Number 29-01022-06, Application dated  
11 March 1992.

c. NRC License Number 29-01022-07, Application dated  
18 April 1991.

d. NRC License Number 29-01022-10, Application dated  
7 April 1993.

2. As discussed during the reference 1a FONECON, the following  
procedures are in place to deny unauthorized personnel from  
gaining access to the newly fenced in area (including buildings  
9401, 9045 and 9383) at Camp Evans. These buildings house  
radioactive materials licensed under references 1b - 1d.

a. During normal duty hours, [ ] occupied. The access doors to the buildings are locked when all  
personnel vacate the building for any reason.

d. Radioactive sources in [ ] used under refer-  
ences 1c and 1d licenses, are utilized in rooms which are always  
locked unless in use. To gain access, personnel must secure a  
key from the key control box which is locked at all times.

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AMSEL-SF-RER

SUBJECT: Request for License Amendment to NRC License Numbers  
29-01022-06, 29-01022-07, and 29-10122-10

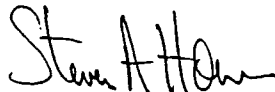
e. [ ] have multiple exits that automatically lock when personnel exit the building. To re-enter the building, personnel must enter via the main entrance, thereby controlling access. X2

X2 f. Motion sensors have been installed in [ ] These sensors are activated at the end of the work day and will sound at the Office of Physical Security upon an unauthorized entry as well as local audio and visual alarms.

g. The security fence enclosing the aforementioned buildings is padlocked when the last person vacates the area.

3. If additional information is needed, our POC is Mr. Hugo Bianchi, (908) 544-3112.

4. CECOM Bottom Line: THE SOLDIER.



STEVEN A. HORNE  
Chief, Safety Office

CF:

Commander, U.S. Army Materiel Command, ATTN: AMCSF-P, 5001  
Eisenhower Avenue, Alexandria, VA 22331-0001

# NMSB TELEPHONE CONVERSATION RECORD

DATE OF CALL: 10-28-94

TIME OF CALL: 9:00 AM

PERSON CALLED: Hugo Bianchi PHONE NO. (908) 344-3112  
(Outgoing Call)

PERSON CALLING: T. Weidner

FACILITY NAME: US Army - Ft. Monmouth

LICENSE NO.: 29-01022-07 DOCKET NO. 030-06989

SUBJECT: License amendment

SUMMARY: Describe how the security of the RAM will be maintained.

ACTION REQUIRED/TAKEN:

Wait for response

SIGNATURE: T. Weidner

MAIL CONTROL NO. 120444



REPLY TO  
ATTENTION OF

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



030-05248 / 030-06989 / 030-09718

AMSEL-SF-RER (385-11m)

7 September 1994

MEMORANDUM FOR U.S. Nuclear Regulatory Commission, Region I,  
475 Allendale Road, ATTN: Docket Numbers 030-  
05248, -06989, -09718, King of Prussia, PA  
19406

SUBJECT: Request for License Amendment to NRC License Numbers  
29-01022-06, 29-01022-07, and 29-10122-10

1. References:

a. NRC License Number 29-01022-06, Application dated  
11 March 1992.

b. NRC License Number 29-01022-07, Application dated  
18 April 1991.

c. NRC License Number 29-01022-10, Application dated  
7 April 1993.

2. As indicated within references 1a through 1c, radioactive  
material authorized under these licenses is used at [ ]  
located in the Evans Area of Fort Monmouth.

3. The following statement appears in all of the referenced  
license applications: "The Evans Area is completely surrounded by  
a twelve foot high security fence. Access to the area is  
restricted and monitored by DoD security officers."

4. As a result of downsizing at DoD installations and manpower  
constraints, the physical security program currently in place at  
the Evans Area will be subject to change.

5. Plans to be implemented include making the Evans Area an  
"open post." This means that during normal duty hours  
(approximately 0730 hrs to 1600 hrs, Monday through Friday), the  
only access gate to the Evans Area will not be manned. After  
normal duty hours and holidays, the access gate will be locked  
and a roving armed security guard will patrol the Evans Area.  
Currently, the gate is manned 24 hours a day.

6. In consideration of the pending "open post" policy at the  
Evans Area, a security fence will be placed around [ ]  
[ ] The fencing will be standard FE-6 security chain link  
fencing with top guard of 3 strand barbed wire at a 45 degree  
angle facing outward to deter intruders.

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SEP 14 1994

AMSEL-SF-RER

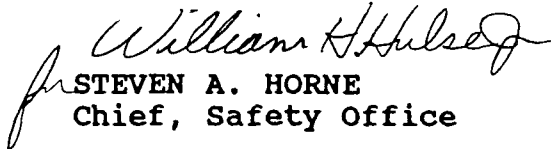
SUBJECT: Request for License Amendment to NRC License Numbers  
29-01022-06, 29-01022-07, and 29-10122-10

7. Request an amendment be issued for subject licenses reflecting these changes to physical security parameters.

8. It is noteworthy to mention, that no security changes will take effect until your organization approves our amendment request.

9. If additional information is needed our POC is Mr. Hugo Bianchi, (908) 544-3112.

10. CECOM Bottom Line: THE SOLDIER.

  
STEVEN A. HORNE  
Chief, Safety Office

CF:

Commander, U.S. Army Materiel Command, ATTN: AMCSF-P, 5001  
Eisenhower Avenue, Alexandria, VA 22331-0001