

## MATERIALS LICENSE

Amendment No. 29

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, 36, 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 Research Laboratory

2. 395 Arsenal Street  
Watertown, Massachusetts 02172-2700

In accordance with the letter dated  
August 15, 1996,

3. License Number SUB-238 is amended in  
its entirety to read as follows:

4. Expiration Date July 31, 1997

5. Docket or  
Reference No. 040-02253

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. Uranium depleted in the  
Uranium 235 isotope

A. Any

A. 12,000 Kilograms

B. Thorium (natural)

B. Any

B. 7 Kilograms

9. Authorized use

A. and B. Decontamination and decommissioning of facilities; packaging of stock material and radioactive waste; storage of radioactive stock material and packaged radioactive waste prior to shipment.

## CONDITIONS

10. Licensed material may be used only at the licensee's facilities at the U.S. Army Research Laboratory, Arsenal Street, Watertown, Massachusetts.
11. A. Licensed material shall be used by, or under the supervision of, individuals designated in writing by the licensee's Radiation Safety Officer.
- B. The Radiation Safety Officer for this license is Robert E. Chase.
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.
13. The licensee may transport licensed material in accordance with the provisions of 10 CFR 71, "Packaging and Transportation of Radioactive Material."

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PDR ADOCK 04002253  
C PDR

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MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License Number

SUB-238

Docket or Reference Number

040-02253

Amendment No. 29

(Continued)

## CONDITIONS

14. This license shall not store licensed material contained in waste for more than two (2) years from the date the waste is put into storage or from September 1, 1992, whichever is later. The licensee shall maintain records which indicate the date that licensed material contained in waste is put into storage.
15. The licensee is not authorized to release material for unrestricted use using the criterion identified for Sanitary Sewer Sediment in Table 2-1 on page 2-3 and in Appendix 5 of the Facility Decommissioning Plan; or in Table 2-1 on page 1 of the Facility Decommissioning Plan Addendum Number 1.
16. 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. Letter dated September 9, 1991 with enclosed Technical Plans
  - B. Letter dated April 23, 1992 with enclosed Facility Decommissioning Plan.
  - C. Letter dated May 28, 1992 with enclosed Radiological Field Survey Report
  - D. Letter dated June 15, 1992
  - E. Letter dated June 22, 1992
  - F. Letter dated July 15, 1992
  - G. Letter dated September 22, 1992
  - H. Letter dated September 29, 1992
  - I. Letter dated January 19, 1993 with enclosed Facility Decommissioning Plan Addendum Number 1
  - J. Letter dated March 29, 1993 with enclosed Phase 1 and Phase 2 Remedial Investigation/Feasibility Study
  - K. Letter dated May 6, 1993
  - L. Letter dated June 21, 1993 regarding Facility Decommissioning Plan
  - M. Letter dated June 21, 1993 regarding Facility Decommissioning Plan Addendum Number 1
  - N. Letter dated June 30, 1993
  - O. Letter dated October 12, 1993
  - P. Letter dated February 8, 1994
  - Q. Letter dated March 1, 1994
  - R. Letter dated April 1, 1994
  - S. Letter dated April 12, 1994
  - T. Letter dated May 13, 1994
  - U. Letter dated June 13, 1994

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number

SUB-238

Docket or Reference Number

040-02253

Amendment No. 29

(Continued)

**CONDITIONS**

- V. Letter dated August 5, 1994 regarding Building 43 Remediation
- W. Letter dated August 5, 1994 with enclosed Final Survey Report, Volume 8, Section 14
- X. Letter dated August 10, 1994 without enclosure 1
- Y. Letter dated September 28, 1994
- Z. Letter dated December 14, 1994 with enclosures
- AA. Letter dated March 15, 1995

For the U.S. Nuclear Regulatory Commission

**Original Signed By:**

**Ronald P. Bellamy**

By

Nuclear Materials Safety Branch  
Region I

King of Prussia, Pennsylvania 19406

Date SEP 25 1996

SEP 25 1996

Kenneth F. Worth  
Site Operation Director  
U.S. Army Research Laboratory  
ATTN: AMSRL-OP-WT  
Caretaker Force  
395 Arsenal Street  
Watertown, Massachusetts 02172-2700

Dear Mr. Worth:

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, Licensing Assistance Team, (610) 337-5093 or 5239, so that we can provide appropriate corrections and answers.

Thank you for your cooperation.

Sincerely,

ORIGINAL SIGNED BY:

Ronald R. Bellamy, Chief  
Decommissioning and Laboratory Branch  
Division of Nuclear Materials Safety

License No. SUB-238  
Docket No. 040-02253  
Control No. 123611

Enclosure:  
Amendment No. 29

DOCUMENT NAME: C:\WORDPERF\DOCS\ARL\AMD29 40.ARL

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	E	DNMS/RI				
NAME	MBouwens		RBellamy				
DATE	08/30/96		09/4/96	08/	/96	08/	/96

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REPLY TO  
THE ATTENTION OF

DEPARTMENT OF THE ARMY  
UNITED STATES ARMY RESEARCH LABORATORY  
395 ARSENAL STREET  
WATERTOWN, MASSACHUSETTS 02172-2700

AMSRL-OP-WT-RK(385)

15 August 1996

License Numbers:	Docket Numbers:
20-01010-04	030-04593
SUB-238	040-02253
SNM-244	070-00263

Mr. Ronald R. Bellamy  
Chief, Site Decommissioning Section  
Division of Radiation Safety and Safeguards  
U.S. Nuclear Regulatory Commission/Region I  
475 Allendale Road  
King of Prussia, PA 19406-1416


Dear Mr. Bellamy,

In accordance with 10CFR35.21 we hereby request that Mr. Robert E. Chase, be assigned as the Radiation Safety Officer upon the departure of Mr. Peter Cornetta. Mr. Chase has served as the Project Manager for the decommissioning of this site and prior to that was the Chief of the Risk Management Office.

The only radioactive sources remaining at this facility are the fission chambers containing uranium-235, the exempt check sources, some naturally occurring radioactive sources and waste to be disposed of in the near future. None of these items pose an external radiation hazard. The uranium-235 has already been packaged for shipment. At this time it is uncertain as to whether these sources will be returned to the Department of Energy prior to Mr. Cornetta's departure.

Questions concerning this request should be addressed to Peter Cornetta at (617) 753-3816. Mr. Chase's resume is enclosed.

Encl

  
Kenneth F. Worth  
Site Operation Director

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123611

AUG 26 1996



ROBERT E. CHASE

EMPLOYMENT

1988 - Present	Chief, Risk Management Branch, MTL, Watertown, MA
1987 - 1988	Chief, Engineering Plans & Services Branch MTL, Watertown, MA
1975 - 1987	Regional Engineer & Environmental Manager, DOE Region I, Boston, MA
1970 - 1975	General Engineer, Permits Branch, Enforcement Division, EPA, Region I, Boston, MA
1968 - 1970	Environmental Engineer, Captain, U.S. Army

EDUCATION AND TRAINING

1967	BS Civil Engineering, Northeastern University, Boston, MA
1968	MS Environmental Engineering, Northeastern University, Boston, MA
1969	Radiation Health Course, Edgewood Arsenal, MD
1970- 1976	Ocean Engineering, Northeastern University, Boston, MA

PERTINENT EXPERIENCE

1988 - Present	Responsible for all Health & Safety conditions at MTL, Watertown, MA
1970 - 1975	Coordinated Radiological input for Environmental Impact Statements
1968 - 1970	Responsible for Radiological Testing & Oversight



BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM  
AND  
REGIONAL LICENSING SECTIONS

: (FOR LFMS USE)  
: INFORMATION FROM LTS  
: -----  
: PROGRAM CODE: 11300  
: STATUS CODE: 0  
: FEE CATEGORY: EX 14  
: EXP. DATE: 19970731  
: FEE COMMENTS: -----  
: DECOM FIN ASSUR REQD: Y  
: ::::::::::::::::::::::::::::::::::::::

LICENSE FEE TRANSMITTAL

A. REGION *I*

1. APPLICATION ATTACHED  
APPLICANT/LICENSEE: ARMY, DEPARTMENT OF THE  
RECEIVED DATE: 960826  
DOCKET NO: 4002253  
CONTROL NO.: 123611  
LICENSE NO.: SUB-238  
ACTION TYPE: AMENDMENT

2. FEE ATTACHED  
AMOUNT: -----  
CHECK NO.: -----

3. COMMENTS

SIGNED *M. A. Perkins*  
DATE *8/27/96*

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED /\_\_/) )

1. FEE CATEGORY AND AMOUNT: -----

2. CORRECT FEE PAID\* APPLICATION MAY BE PROCESSED FOR:  
AMENDMENT -----  
RENEWAL -----  
LICENSE -----

3. OTHER -----  
-----

SIGNED -----  
DATE -----