



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

February 16, 2005

Docket No. 04009011  
Control No. 136080

License No. STB-1554

Colonel Donald C. Olson  
Commanding  
Department of the Army  
Watervliet Arsenal  
1 Buffington Street  
Watervliet, NY 12189-4000

SUBJECT: DEPARTMENT OF THE ARMY, ISSUANCE OF LICENSE AMENDMENT,  
CONTROL NO. 136080

Dear Col. Olson:

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) 337-5239, so that we can provide appropriate corrections and answers.

*An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14).*

Please note that on October 25, 2004, the NRC suspended public access to ADAMS, and initiated an additional security review of publicly available documents to ensure that potentially sensitive information is removed from the ADAMS database accessible through the NRC's web site. Interested members of the public may obtain copies of the referenced documents for review and/or copying by contacting the NRC Public Document Room pending resumption of public access to ADAMS. The NRC Public Document Room is located at NRC Headquarters in Rockville, MD, and can be contacted at 800-397-4209 or 301-415-4737 or [pdr@nrc.gov](mailto:pdr@nrc.gov).

Thank you for your cooperation.

Sincerely,

***Original signed by Elizabeth Ullrich***

Betsy Ullrich  
Senior Health Physicist  
Commercial and R&D Branch  
Division of Nuclear Materials Safety

D. Olson  
Department of the Army

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Enclosure:  
Amendment No. 4

cc:  
Sally D'Agostino, Radiation Protection Officer

DOCUMENT NAME: E:\Filenet\ML050480376.wpd

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	N	DNMS/RI	DNMS/RI			
NAME	EUIrich/EXU						
DATE	2/16/2005						

OFFICIAL RECORD COPY

**MATERIALS LICENSE**

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.

<p style="text-align: center;">Licensee</p> <p><b>1. Department of the Army</b> <b>ATTN: Safety Office, AMSTA-WV-XO-S</b></p> <p><b>2. 1 Buffington Street</b> <b>Watervliet Arsenal</b> <b>Watervliet, New York 12189</b></p>	<p><b>In accordance with the application dated November 22, 2004,</b></p> <p><b>3. License number STB-1554 is amended in its entirety to read as follows:</b></p> <hr/> <p><b>4. Expiration date October 31, 2013</b></p> <hr/> <p><b>5. Docket No. 040-09011/040-08126</b> Reference No.</p>
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<p><b>6. Byproduct, source, and/or special nuclear material</b></p> <p><b>A. Depleted Uranium</b></p> <p><b>B. Thorium</b></p>	<p><b>7. Chemical and/or physical form</b></p> <p><b>A. Solid</b></p> <p><b>B. Residual Contamination</b></p>	<p><b>8. Maximum amount that licensee may possess at any one time under this license</b></p> <p><b>A. 23 kilograms (8.2 millicuries)</b></p> <p><b>B. 4.5 kilograms (1 millicurie)</b></p>
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- 9. Authorized use:**
- A. Research and development as defined in 10 CFR 30.4.**
  - B. Possession and decontamination of potential residual contamination of facilities and equipment.**

**CONDITIONS**

- 10. Licensed material may be used or stored at the licensee's facilities located at Benet Laboratories, Buildings 115 and 119, Watervliet Arsenal, Watervliet, New York and at temporary job sites of the licensee anywhere in the United States.**
- 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 the application dated June 17, 2003.**
- B. The Radiation Safety Officer for this license is Sally D'Agostino.**

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
STB-1554

Docket or Reference Number  
040-09011/040-08126

Amendment No. 4

- 12. The licensee shall not use licensed material in or on human beings.
- 13. The licensee shall not use licensed material in field applications where it is released except as provided otherwise by specific condition of this license.
- 14. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, 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 and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.
- 15. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
- 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 U.S. 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 June 17, 2003 [ML031770034]
  - B. Letter dated October 9, 2003 [ML032940667]
  - C. Letter dated February 7, 2005

For the U.S. Nuclear Regulatory Commission

**Original signed by Elizabeth Ullrich**

Date February 16, 2005  
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By \_\_\_\_\_  
Elizabeth Ullrich  
Commercial and R&D Branch  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406