

U.S. NUCLEAR REGULATORY COMMISSION

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>1. Department of the Army Watervliet Arsenal ATTN: Safety Office, Building 10 TAWV-XO-S</p> <p>2. 1 Buffington Street Watervliet, New York 12189</p>	<p>In accordance with the application dated June 5, 2013,</p> <p>3. License number STB-1554 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date November 30, 2023</p> <hr/> <p>5. Docket No. 040-09011 Reference No. 040-08126</p>
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| 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. Depleted Uranium | A. Solid | A. 23 kilograms (8.2 millicuries) |

9. Authorized use:
A. Research and development as defined in 10 CFR 30.4.

CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at 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 5, 2013.
- B. The Radiation Safety Officer for this license is Matthew K. Church.
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

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
STB-1554

Docket or Reference Number
040-09011
040-08126

Amendment No. 08

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 5, 2013 (ML13179A319)
B. Letter dated October 3, 2013 (ML13294A566)

For the U.S. Nuclear Regulatory Commission

Date November 26, 2013

By

Original signed by Elizabeth Ullrich

Elizabeth Ullrich
Commercial and R&D Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406