

**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, 37, 39, 40, 70 and 71, 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 - Commander U.S. Army TACOM Life Cycle Management Command (LCMC)</p> <p>2. AMSTA-MSP-Z (MS685) 6501 E Eleven Mile Rd. Warren, MI 48397-5000</p>		<p>In accordance with application dated July 31, 2017.</p>	<p>4. Expiration Date: January 31, 2033</p>
		<p>3. License number: SUB-1536 is renewed in its entirety to read as follows:</p>	<p>5. Docket No.: 040-08994 Reference No.:</p>
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Uranium- depleted in Uranium-235</p> <p>B. Transuranic Elements</p> <p>C. Technetium-99</p>	<p>7. Chemical and/or physical form</p> <p>A. Metal</p> <p>B. Metal</p> <p>C. Metal</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. As Needed</p> <p>B. As needed; not to exceed 100 picocuries per gram of each transuranic and not to exceed 500 picocuries per gram total for all transuranics</p> <p>C. As needed; not to exceed 500 picocuries per gram</p>	<p>9. Authorized use</p> <p>A. For possession, use, transportation, and storage of turrets and hulls of Abrams M1 Series Tanks, excluding repair and maintenance.</p> <p>B. For possession, use, transportation, and storage - as contaminants in depleted uranium of turrets and hulls of Abrams M1 Series Tanks, excluding repair and maintenance.</p> <p>C. For possession, use, transportation, and storage - as contaminants in depleted uranium of turrets and hulls of Abrams M1 Series Tanks, excluding repair and maintenance.</p>

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SUPPLEMENTARY SHEET**License Number  
SUB-1536Docket or Reference Number  
040-08994

Amendment No. 11

**CONDITIONS**

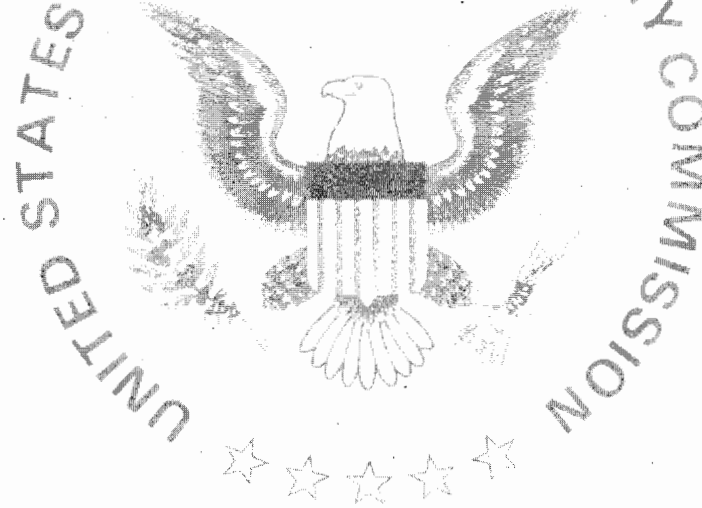
10. Licensed material may be used or stored at U.S. Department of Defense installations; DOD contractor facilities and operations, excluding General Dynamics and its subcontractors, approved of by the licensee Radiation Safety Officer (RSO); and at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
11. Licensed material shall only be used by, or under the supervision of individuals and materials as listed below:
- | <u>Non-Medical Use</u>  | <u>Material and Use</u> |
|-------------------------|-------------------------|
| Karen Lapajenko McGuire | All                     |
12. The Radiation Safety Officer (RSO) for this license is Karen Lapajenko McGuire.
13. The licensee shall conduct a running physical inventory as described in application dated July 31, 2017 (ML17215A212), 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 3 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.
14. The licensee shall maintain records of information important to safe and effective decommissioning at U.S. Army Tank -- Automotive Command (TACOM), Warren, Michigan, per the provisions of 10 CFR Section 40.36 (f) until this license is terminated by the Commission.
15. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 40.36 (b) for establishing financial assurance for decommissioning.

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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. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. 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 July 31, 2017 (ML17215A212)
- B. Letter dated January 25, 2018 (ML18026A637)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: January 30, 2018By: *Sara A. Forster*  
Sara A. Forster  
Region 3