

**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.

Licensee	In accordance with letter dated <b>June 1, 2015</b>
1. United States Army Installation Management Command	3. License number SUC-1593 is amended in its entirety to read as follows:
2. ATTN: IMSO, Building 2261, 2405 Gun Shed Road, Fort Sam Houston, Texas, 78234-1223	4. Expiration date [INSERT DATE]
	5. Docket No. 040-09083 Reference No. <b>DRAFT Amendment No.1</b>

6. Source Material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
Uranium (depleted)	Any	<b>5700 Kg as distributed below</b>
	Installation	DU mass (kg)
	A. Fort Benning GA	A. 1850
	B. Fort Bragg, NC	B. 810
	C. Fort Campbell KY	C. 130
	D. Fort Carson CO	D. 270
	E. Fort Gordon GA	E. 30
	F. Fort Hood TX	F. 770
	G. Fort Hunter Liggett CA	G. 30
	H. Fort Jackson SC	H. 30
	I. Fort Knox KY	I. 760
	J. Fort Polk LA	J. 370
	K. Fort Riley KS	K. 20
	L. Fort Sill OK	L. 340
	M. Fort Wainwright Donnelly Training Area AK	M. 20
	N. Joint Base Lewis-McChord/Yakima Training Center WA	N. 340
	O. Joint Base McGuire-Dix-Lakehurst NJ	O. 10
	P. Schofield Barracks Oahu and Pohakuloa Training Area HI	P. 140
	<b>Total</b>	<b>5700 Kg</b>

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## 9. Authorized Use:

Activities necessary for the possession and management of depleted uranium spotting rounds and fragments as a result of previous use of depleted uranium **at sites located** at U.S. Army installations. These activities include:

- A. Activities necessary to maintain the **sites** in a safe condition and to prevent the unauthorized removal of licensed material from the authorized places of use;
- B. Activities necessary to determine the presence of licensed material at **the sites**;
- C. Activities necessary to monitor the radiological environmental conditions in and around the authorized places of use to determine if licensed material is being transported in the environment; and
- D. Activities necessary for the packaging, transport and disposal of incidentally identified licensed material to a licensed/permitted disposal facility.

**CONDITIONS**

10. The authorized places of use shall be at U.S. Army installations at **Fort Benning GA; (Georgia) Fort Bragg NC (North Carolina); Fort Campbell KY (Kentucky); Fort Carson CO (Colorado); Fort Gordon GA (Georgia); Fort Wainwright Donnelly Training Area AK (Alaska); Fort Hood TX (Texas); Fort Hunter Liggett CA (California); Fort Jackson SC (South Carolina); Fort Knox KY (Kentucky); Fort Polk, LA (Louisiana); Fort Riley KS (Kentucky); Fort Sill OK (Oklahoma); Joint Base Lewis- McChord/Yakima Training Center WA (Washington); Joint Base McGuire - Dix-Lakehurst NJ (New Jersey); Schofield Barracks, Oahu; and Pohakuloa Training Area, HI (Hawaii).**
11. Except as specifically provided otherwise, the licensee shall conduct operations in accordance with the commitments, representations, and statements contained in the License Application **dated June 1, 2015 (ML15161A454), the RAI responses dated September 30, 2015 (ML15294A276) and November 30, 2015 (ML15335A123)** (jointly referred to as the approved license application). The approved license application and the approved RAI responses are hereby incorporated by reference, except where superseded by license condition(s) below:
12. If the licensee identifies information indicating that Davy Crockett-related depleted uranium may be present at a U.S. Army installation not identified in License Condition 10 **or included on another NRC license**, then the licensee will notify the NRC in writing within 15 **calendar** days of the identification of this information as well as include a schedule for evaluating the presence of depleted uranium. The evaluation schedule should not exceed 90 calendar days from the date of the notification letter.
13. If it is determined that Davy Crockett-related depleted uranium is present at an U.S. Army installation not listed in License Condition 10 **or included on another NRC license**, the licensee shall submit a request to include the installation **in this license within 60 calendar days of the determination**. The request will address Radiation Safety, Environmental Radiation Monitoring, Physical Security, Decommissioning Financial Assurance and the name of the Garrison Radiation Safety Officer. Any additional procedures necessary to ensure compliance with License Conditions 9A - 9D that are not included in the licensee's application referenced in License Condition 11 will also be included in the request.
14. The licensee shall submit an updated **site**-specific decommissioning cost estimate and financial assurance instrument for each U.S. Army installation listed in License Condition 10 on a tri-annual basis, by December 31<sup>st</sup> of each year or, if applicable, in accordance with the requirements of 10 CFR 40.36(c)5.

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15. The licensee shall post "Caution - Radioactive Material" signs at a sufficient number of locations around each the Radiation Control Area to ensure that individuals entering the Radiation Control Area are aware of the presence of depleted uranium. The signs may be placed at the perimeter of the range impact areas if posting them at the Radiation Control Area boundary is unsafe due to the presence of unexploded ordnance.
16. The licensee shall not perform any decommissioning or ground disturbing activities to collect or remove depleted uranium fragments or contaminated soil that is identified during routine range activities at any of the Radiation Control Areas without prior authorization from NRC.
17. NRC or Agreement State licensed contractors may undertake decommissioning or ground disturbing activities to collect or remove depleted uranium fragments or contaminated soil that is identified during routine range activities at any Radiation Control Area consistent with the conditions and commitments of their license(s).
18. When the licensee engages an NRC or Agreement State licensed contractor to undertake decommissioning or ground disturbing activities to collect or remove depleted uranium fragments or contaminated soil that is identified during routine range activities at any of the Radiation Control Areas, the licensee will notify NRC in accordance with the requirements of 10 CFR 40.42(g)(1). The licensee shall provide NRC with the contractor's site-specific decommissioning plans and all other documents associated with radiation safety and environmental monitoring associated with the proposed decommissioning or ground disturbing activities in accordance with the requirements of 10 CFR 40.42 prior to the commencement of the activity. If issues are identified by NRC that could impact radiological health and safety, they will be resolved prior to the commencement of the activity.
19. When analytical sampling results from locations outside of the Radiation Control Area indicate that the U-238/U-234 activity ratio exceeds 3, the licensee shall notify NRC within 30 calendar days and collect additional environmental samples within 30 calendar days of the notification of NRC, unless prohibited by the absence of the sampling media. (e.g., lack of well water).
20. Within 6 months of the effective date of this license amendment, the licensee shall provide to the NRC for approval site-specific environmental radiation monitoring plans for each installation listed in License Condition 10. Upon NRC approval, the licensee shall fully implement each site-specific environmental radiation monitoring plan within 6 months of NRC approval. Within 6 months of the effective date of this license amendment, the licensee shall provide to the NRC for NRC verification documentation showing that the approved dose modeling methodology was applied and that the calculated site-specific annual public all pathway dose for each Radiation Control Area at each installation listed in License Condition 10 does not exceed 1.0 mrem/yr TEDE.
21. All written notices and reports to NRC required under this license shall be addressed to: ATTN: Document Control Desk: Deputy Director, Decommissioning, Uranium Recovery, and Waste Programs, Office of Nuclear Material Safety and Safeguards, Mailstop T8 F5, U.S. Nuclear Regulatory Commission, Two White Flint North, 11545 Rockville Pike, Rockville, MD 20852-2738. Required telephone notification shall be made to the NRC Operations Center at (301) 816-5100, unless otherwise specified in license conditions.

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FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: \_\_\_\_\_

By: \_\_\_\_\_

John Tappert, Director  
Division of Decommissioning, Uranium Recovery  
and Waste Programs  
Office of Nuclear Material Safety  
and Safeguards

DRAFT