NRC FORM 374	U.S. NUCLEAR REGU	ILATORY COMMISSION		PAGE <u>1</u> OF <u>4</u> PAGES Amendment No.1				
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 perso shall be deemed to contain the condition applicable rules, regulations, and order below.	ons specified in Section 183 of	f the Atomic Energy Act of	1954,	as amended, and is subject to all				
Licensee	In accordance with letter dated June 1, 2015							
1. United States Army Installatio Command	 License number SUC-1593 is amended in its entirety to read as follows: 							
2. ATTN: IMSO, Building 2261, 2 Fort Sam Houston, Texas, 78		4. Expiration date: March 21, 2026						
5. Docket No. Reference No			040-09083 p. Amendment No.1					
6. Source Material	7. Chemical and/or phy	ysical form	8.	Maximum amount that licensee may possess at any one time under this license				
Uranium (depleted)	Any			5700 kg, as distributed below				
	Installation		DU	mass (kg)				
	A. Fort Benning, GA (G	Georgia)	Α.	1850				
	B Fort Bragg NC, (North Carolina)			810				
	C Fort Campbell, KY (Kentucky)			130				
	D. Fort Carson, CO (Colorado) E. Fort Gordon, GA (Georgia) F. Fort Hood, TX (Texas)		D.	270				
			Ε.	30				
			F.	770				
	G. Fort Hunter Liggett, CA (California)		G.					
	H. Fort Jackson, SC (South Carolina)		H.					
I. Fort Knox, KY (Kentucky) J. Fort Polk, LA (Louisiana)		I. J.	760 370					
	K. Fort Riley, KS (Kans	•	э. К.	20				
	L. Fort Sill, OK (Oklaho	,	L.	120				
	M. Donnelly Training Area, Fort Wainwright, AK (Alaska)		M.					
	cChord/Yakima WA (Washington)	N.	340					
O. Joint Base McGuire-Dix-Lakehurst, N			О.	10				
	(New Jersey) P. Schofield Barracks/			140				
		g Area, HI (Hawaii)						
	Total		57	00 Kg				

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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. 						e
	CONDITIONS						
10.	 The authorized places of use (possession) shall be at U.S. Army installations at Donnelly Training Area, Fort Wainwright, AK; Fort Benning GA; Fort Bragg, NC; Fort Campbell, KY; Fort Carson, CO; Fort Gordon, GA; Fort Hood, TX; Fort Hunter Liggett, CA; Fort Jackson, SC; Fort Knox, KY; Fort Polk, LA; Fort Riley, KS; Fort Sill, OK; Joint Base Lewis-McChord/Yakima Training Center, WA; Joint Base McGuire-Dix-Lakehurst, NJ; and Schofield Barracks/Pohakuloa Training Area, HI. 						
11.	11. Except as specifically provided otherwise, the licensee shall conduct operations in accordance with the commitments, representations, and statements contained in the license amendment application:						he
 Programmatic RSP, "Radiation Safety Plan for IMCOM Ranges Affected by M101 Davy Crockett Spotting Round Depleted Uranium," dated December 31, 2015 (ML16004A369); Programmatic PSP; "Physical Security Plan for US Army Installation Management Command Ranges Affected by Depleted Uranium in M101 Davy Crockett Spotting Rounds," dated December 31, 2015 							
•	 (ML16004A369); Army's Form 313, "Application for Materials License," items 1-7, dated June 1, 2015 (Pkg. ML15161A454); 						
•	 Attachment 3, "Calculation of TEDE to Individual Likely to Receive Highest Dose, "dated June 1, 2015 (Pkg. ML15161A454); 						
•	 Attachment 4, "Attachment 4. How the Army Determined the M101DU RCAs," dated June 1, 2015 (Pkg. ML15161A454); 						
	 Attachment 5, "Bounding Calculations Using RESRAD 7.0 and RESRAD-OFFSITE 3.1," dated June 1, 2015 (Pkg. ML15161A454); Attachment 8, "Arguments against Air Sampling During HE [High Explosive] Fire into RCAs [Radiation 						
	Control Areas]", dated June 1, 2015 (Pkg. ML15161A454);						
	 Email clarifying RCAs at Fort Knox, KY, dated January 29, 2016 (ML16041A107); Attachment 8, "Estimating Public Exposure to Airborne Depleted Uranium Outside the U.S. Army Pohakuloa Training Area, Hawaii," September 30, 2015, (ML15294A276); Attachment 9, "Examples of Army Range fires," September 30, 2015, (ML15294A276); 						

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• • • • • • • •	Attachment 10, "Arguments against Air Sampling Duri 2015, (ML15294A276); Attachment 11, "Calculation of Public Dose SOP," Sep Programmatic ERMP, "Programmatic Approach for Pr Radiation Monitoring Plans", dated December 31, 201 "US Army Decommissioning Funding Plan (DFP) for L February 9, 2016 (ML16042A232); Maps of the locations of the RCAs, "M101 Impact Area February 12, 2016, (ML16048A358); Army's email clarifying M101 Target Areas (Radiation (ML16048A347); and Army's Statement of Intent, dated June 1, 2015 (ML15	ptember 30, 2015, (ML15294A276); eparation of Installation-specific Environmental 5 (ML16004A369); icense Number SUC-1598," dated as," dated December 31, 2015 (but, sent Control Areas), dated February 12, 2016
	The approved license application is hereby incorporate license condition(s) below:	d by reference, except where superseded by
12.	If the licensee identifies information indicating that Dave present at a U.S. Army installation not identified in Lice license, then the licensee will notify the NRC in writing information and this notice must include a schedule for The evaluation schedule should not exceed 90 calenda	nse Condition 10 or included on another NRC within 15 calendar days of the identification of this evaluating the presence of depleted uranium.
13.	If it is determined that Davy Crockett-related depleted un listed in License Condition 10 or included on another N include the installation in this license within 60 calendar address Radiation Safety, Environmental Radiation Mo Financial Assurance, and the name of the Garrison Radia necessary to ensure compliance with License Condition application referenced in License Condition 11 will also	RC license, the licensee shall submit a request to days of the determination. The request will nitoring, Physical Security, Decommissioning diation Safety Officer. Any additional procedures ns 9A - 9D that are not included in the licensee's
14.	The licensee shall submit an updated site-specific deco assurance instrument for each U.S. Army installation lis by December 31 st of each year or, if applicable, in acco 10 CFR 40.36(c)5.	sted in License Condition 10 on a triennial basis,
15.	The licensee shall post "Caution - Radioactive Material" each the Radiation Control Areas to ensure that individ aware of the presence of depleted uranium. The signs impact areas if posting them at the Radiation Control A unexploded ordnance.	uals entering the Radiation Control Area are may be placed at the perimeter of the range
16.	Decommissioning is not authorized without NRC appro	val:
	a. The licensee shall not perform any decommissioning remove depleted uranium fragments or contaminated s at any of the Radiation Control Areas without prior auth pieces of DU that the Army finds during training exercise	oil that is identified during routine range activities orization from the NRC. Picking up incidental

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	does not involve ground disturbing activities;						
	b. 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); and						
	c. When the licensee engages an NRC or Agreement decommissioning or ground disturbing activities to col- contaminated soil that is identified during routine range the licensee will notify NRC in accordance with the re- shall provide NRC with the contractor's site-specific of associated with radiation safety and environmental me decommissioning or ground disturbing activities in accor- prior to the commencement of the activity. If issues a health and safety, they will be resolved prior to the com-	ect or remove depleted use activities at any of the F quirements of 10 CFR 40 ecommissioning plans ar ponitoring associated with cordance with the requirement re identified by NRC that	ranium Radiatio 42(g)(1 nd all ot the prop ments c could ir	frag n Co). T her o bose of 10	men ontro he li docu d CFF	l Are cens men R 40	eas, see its .42
17.	When analytical sampling results from locations outsid U-238/U-234 activity ratio exceeds 3, the licensee sha additional environmental samples within 30 calendar by the absence of the sampling media (e.g., lack of w	Il notify NRC within 30 ca lays of the notification of	alendar	days	s and	d col	lect
18.	Within 6 months of the effective date of the license an for approval, site-specific environmental radiation mor Condition 10 that address all RCAs at the installations installation's site-specific environmental radiation mor	itoring plans for each ins . The licensee shall fully	tallatior implem	n liste nent	ed in each	Lice	ense
19.	Within 6 months of the effective date of this license ar for verification, documentation, including site-specific approved dose modeling methodology was applied ar for each Radiation Control Area at each installation lis 1.0E-2 mSv/yr (1.0 mrem/yr) TEDE.	dose modeling parameter Id that the calculated site	s, shov- specific	ving c all	that path	the way	

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20.	All written notices and reports to USNRC require Document Control Desk, Deputy Director, Divisio Programs, Office of Nuclear Material Safety and Commission, Washington, DC 20555-0001, or b Flint North, Rockville, MD 20852-2738. Required Operations Center at (301) 816-5100, unless oth FC	on of E I Safeg ly expr d telep herwise	Decommissioning, Uraniu uards, Mailstop T8 F5, U ess delivery to 11545 Ro hone notification shall be	um Reco J. S. Nu ockville e made nditions	over iclea Pike to th	y, an ar Re e, Two ne NF	id W gula o W RC	atory hite
Date:	March 21, 2016	By:	/RA	V				
			John R. Tappert, Directo Division of Decommissio and Waste Programs Office of Nuclear Materi and Safeguards	oning, L		um F	Reco	overy

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