NRC FORM 374	U.S. NUCLEAR REGU	ILATORY COMMISSION		PAGE <u>1</u> OF <u>4</u> PAGES Amendment No.1					
Pursuant to the Atomic Energy Act of 195 of Federal Regulations, Chapter I, Parts 3 heretofore made by the licensee, a licens source, and special nuclear material desi deliver or transfer such material to person shall be deemed to contain the condition applicable rules, regulations, and orders of below.	30, 31, 32, 33, 34, 35, 36, 37, 3 se is hereby issued authorizin signated below; to use such n is authorized to receive it in a ns specified in Section 183 of	Reorganization Act of 1974 39, 40, 70 and 71, and in reli- ng the licensee to receive, a material for the purpose(s) a ccordance with the regulatio f the Atomic Energy Act of pmmission now or hereafter	iance cquire and at ons of t 1954, in effe	on statements and representations , possess, and transfer byproduct, the place(s) designated below; to he applicable Part(s). This license as amended, and is subject to all ect and to any conditions specified					
Licensee		June 1, 2015	n accordance with letter dated June 1, 2015						
1. United States Army Installation Command	 License number SUC-1593 is amended in its entirety to read as follows: 								
2. ATTN: IMSO, Building 2261, 24 Fort Sam Houston, Texas, 782		4. Expiration date: March 21, 2026							
		5. Docket No. 040-09083 Reference No. Amendment No.1							
6. Source Material	7. Chemical and/or phy	vsical 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	eorgia)	A.	1850					
	B Fort Bragg NC, (Nor	th Carolina)	В.	810					
	C Fort Campbell, KY (I	Kentucky)	C.	130					
	D. Fort Carson, CO (Co	olorado)	D.	270					
	E. Fort Gordon, GA (Ge	• /	E.	30					
	F. Fort Hood, TX (Texa	,	F.	770					
	G. Fort Hunter Liggett, H. Fort Jackson, SC (S	, ,	G. H.	30 30					
	I. Fort Knox, KY (Kenti	,	п. І.	30 760					
	J. Fort Polk, LA (Louisia	• •	ı. J.	370					
	K. Fort Riley, KS (Kans	,	K.	20					
	L. Fort Sill, OK (Oklaho	oma)	L.	120					
	M. Donnelly Training A AK (Alaska)	-	М.	20					
	N. Joint Base Lewis-Mo Training Center, V	NA (Washington)	N.	340					
	O. Joint Base McGuire- (New Jersey)	-Dix-Lakehurst, NJ	О.	10					
	P. Schofield Barracks/	, g Area, HI (Hawaii)	Ρ.	140					
		y Area, Fir (Flawaii)							
·	Total		570	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 unauthorized removal of licensed material from the sites in a unauthorized removal of licensed material from the sites in a unauthorized removal of licensed material from the sites in a unauthorized removal of licensed material from the sites in a unauthorized removal of licensed material from the sites in a unauthorized removal of licensed material from the sites in a unauthorized removal of licensed material from the sites in a unauthorized removal of licensed material from the sites in a unauthorized removal of licensed material from the sites in a unauthorized removal of licensed material from the sites in a unauthorized removal of licensed material from the sites in a unauthorized removal of licensed material from the sites in a unauthorized removal of licensed material from the sites in a unauthorized removal of licensed material from the sites in a unauthorized removal of licensed material from the sites in a unauthorized removal of licensed material from the sites in a unauthorized removal of licensed material from the sites in a unauthorized removal of licensed material from the sites in a unauthorized removal of license in a unauthorized removal							
	 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 faci							
	CONDITIO	٧S						
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:							
 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); 							
•								
	 Email clarifying RCAs at Fort Knox, KY, dated Janua 							
	 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," Se 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 (ML18	ptember 30, 2015, (ML15 eparation of Installation-s 5 (ML16004A369); icense Number SUC-159 as," dated December 31, Control Areas), dated Fe 5161A458).	5294A2 specific 98," dat 2015 (ebruary	276); Env ted but, 12, 2	rironr sent 2016	men	tal
	The approved license application is hereby incorporate license condition(s) below:	d by reference, except w	here sı	lpers	sede	d by	1
12.	If the licensee identifies information indicating that Dav 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 inclu within 15 calendar days o evaluating the presence	ided on of the ic of depl	n ano denti leted	other ficati I urai	NR ion o niun	C of this n.
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 calenda address Radiation Safety, Environmental Radiation Mo Financial Assurance, and the name of the Garrison Ra necessary to ensure compliance with License Condition application referenced in License Condition 11 will also	RC license, the licensee r days of the determination nitoring, Physical Securit diation Safety Officer. Ar ns 9A - 9D that are not in	shall si on. The ty, Dece ny addi icluded	ubmi e req omm tiona	it a re juest nissic al pro	eque will oning oced	est to g lures
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 trie			isis,
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 may be placed at the pe	on Con rimeter	trol A	Area ne ra	are inge	; ;
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 orization from the NRC.	g routin Pickin	ne ra g up	nge a incic	activ denta	al

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	does not involve ground disturbing activities;						
	b. NRC or Agreement State licensed contractors ma activities to collect or remove depleted uranium frag routine range activities at any Radiation Control Are their license(s); and	ments or contaminated so	oil that is	iden	tified	l dur	ring
	c. When the licensee engages an NRC or Agreemed decommissioning or ground disturbing activities to or contaminated soil that is identified during routine ran the licensee will notify NRC in accordance with the r shall provide NRC with the contractor's site-specific associated with radiation safety and environmental r decommissioning or ground disturbing activities in a prior to the commencement of the activity. If issues health and safety, they will be resolved prior to the commencement	ollect or remove depleted ge activities at any of the equirements of 10 CFR 4 decommissioning plans nonitoring associated wit ccordance with the requir are identified by NRC that	l uranium Radiatio 0.42(g)(1 and all ot h the prop rements c at could in	frag n Co). T her o bose of 10	men ontro he lid docu d CFF	I Are cens men R 40	eas, see its .42
17.	When analytical sampling results from locations outs U-238/U-234 activity ratio exceeds 3, the licensee s additional environmental samples within 30 calenda by the absence of the sampling media (e.g., lack of	nall notify NRC within 30 days of the notification of	calendar	days	s and	d col	lect
18.	Within 6 months of the effective date of the license a for approval, site-specific environmental radiation m Condition 10 that address all RCAs at the installatio installation's site-specific environmental radiation m	onitoring plans for each ir ns. The licensee shall ful	nstallatior ly implem	liste Ient	ed in each	Lice	ense
19.	Within 6 months of the effective date of this license for verification, documentation, including site-specifi approved dose modeling methodology was applied for each Radiation Control Area at each installation 1.0E-2 mSv/yr (1.0 mrem/yr) TEDE.	c dose modeling paramet and that the calculated sit	ers, shov te-specific	ving c all	that path	the way	

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20.	All written notices and reports to USNRC required un Document Control Desk, Deputy Director, Division of Programs, Office of Nuclear Material Safety and Safe Commission, Washington, DC 20555-0001, or by exp Flint North, Rockville, MD 20852-2738. Required tele Operations Center at (301) 816-5100, unless otherwis	Decommissioning, Urani guards, Mailstop T8 F5, ress delivery to 11545 R phone notification shall b	um Rec U. S. Nu ockville e made nditions	over uclea Pike to th	y, ar ar Re e, Tw ne Nf	nd W egula ro W RC	atory 'hite
Date:	<u>March 21, 2016</u> By:	/R. John R. Tappert, Direct Division of Decommiss and Waste Programs Office of Nuclear Mater and Safeguards	tor ioning, L		um F		overy