NRC FORM 374	PAGE <u>1</u> OF <u>3</u> PAGE ORY COMMISSION Amendment No. 04							
<b>MATERIALS LICENSE</b> 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.								
Licensee	In accordance with the letter dated							
	September 11, 2013,							
1. Department of the Army	3. License number 19-31127-01 is amended in							
20th CBRNE Command	its entirety to read as follows:							
AR F	REA.							
2. 2400 21 <sup>st</sup> Street,	4. Expiration date April 30, 2016							
Aberdeen Proving Ground, Maryland 21010-5424	5. Docket No. 030-37133							
4	Reference No.							
6	R							
<ul> <li>Byproduct, source, and/or special nuclear material</li> <li>Chemical and/or A. Californium 252</li> <li>A. Sealed Source</li> </ul>	e (Frontier A. Not to exceed 2.7 millicuries							
Technology Co Model 100)	prporation per source and 65 millicuries total							
<ul> <li>9. Authorized use:</li> <li>A. In a Portable Isotopic Neutron Spectrometer for non-intrusive analysis; training of authorized users; and radiation survey meter response checks.</li> </ul>								
X L L X								
CONDIT	TIONS							
10. Licensed material may be used or stored at the licensee's facilities at the 22D Chemical Battalion (Technical Escort), Aberdeen Proving Ground, Maryland; CBRNE Analytical and Remediation Activity facilities on Aberdeen Proving Ground, Maryland; 110TH Chemical Battalion (Technical Escort), Joint Base Lewis-McChord, Washington; Pine Bluff Arsenal, Arkansas and at temporary job sites of the licensee anywhere in the United States.								
11. Licensed material shall be used by, or under the supervision of, individuals who have received the training described in the memorandums dated September 11, 2013, and November 5, 2013, and have been designated in writing, by the Radiation Safety Officer. The licensee shall maintain records of individuals designated as users for 3 years following the last use of licensed material by the individual.								
12. The Radiation Safety Officer for this license is Bar	ry Scott Davidson.							

	50014	~~								
NRC	FORM	374A	PAGE 2 OF 3 PAGES							
			19-31127-01							
		MATERIALS LICENSE	Docket or Reference Number							
		SUPPLEMENTARY SHEET	030-37133							
			Amendment No. 04							
13.	A.	Sealed sources shall be tested for leakage and/or	contamination at intervals not to exceed six							
15.	A.	months or at the intervals specified in the certificat								
		Regulatory Commission under 10 CFR 32.210 or u								
		State.								
	В.	In the absence of a certificate from a transferor inc	dicating that a leak test has been made within							
	D.									
	the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, pr									
	the transfer, a sealed source received from another person shall not be put into use until test									
		and the test results received.	0							
	C.	Sealed sources need not be tested if they are in s	torage and are not being used: however, when							
	C. Sealed sources need not be tested if they are in storage and are not being used; however, they are removed from storage for use or transferred to another person and have not been									
	within the required leak test interval, they shall be tested before use or transfer. No sealed so									
		shall be stored for a period of more than 10 years	without being tested for leakage and/or							
		contamination.								
	D.	The leak test shall be capable of detecting the pre	sence of 0.005 microcurie (185 becquerels) of							
		radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie								
	(185 becquerels) or more of removable contamination, a report shall be filed with the l									
		Regulatory Commission in accordance with 10 CF								
		immediately from service and decontaminated, rep Commission regulations.	parred, or disposed of in accordance with							
			1 20							
	E. Tests for leakage and/or contamination, including leak test sample collection and analysis, shall b									
		performed by the licensee or by other persons spe								
	Commission or an Agreement State to perform such services.									
	F. Records of leak test results shall be kept in units of microcuries and shall be maintained for									
		5 years.								
	0		welchell not be encoded as sources assourced as							
14.		led sources or source rods containing licensed mate iched from source rods or gauges by the licensee, e								
	ucia	inca nom source rous of gauges by the needsee, e	Accept do opecifically dutionzed.							
15.		licensee shall conduct a physical inventory every size								
	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, manufacturers name and model numbers, and								
	the date of the inventory.									
16.		licensee is authorized to transport licensed material								
	10 CFR Part 71, "Packaging and Transportation of Radioactive Material."									

NRC FORM 374A									PAGE	3	OF	3	PAGES
								License Number 19-31127-01					
	MATERIALS LICENSE SUPPLEMENTARY SHEET							Docket or Reference N 030-37133	Number				
								Amendment No.	. 04				
17. Date	<ul> <li>17. 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</li> <li>A. Memorandum dated September 11, 2013 (ML13270A151)</li> <li>B. Memorandum dated November 5, 2013 (ML13229A443)</li> <li>For the U.S. Nuclear Regulatory Commission</li> </ul>												