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MATERIALS L Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Re Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, made by the licensee, a license is hereby issued authorizing the license special nuclear material designated below; to use such material for the such material to persons authorized to receive it in accordance with the contain the conditions specified in Section 183 of the Atomic Energy regulations, and orders of the Nuclear Regulatory Commission now or	eorganization Act of 1974 (Public Law 93-438), and Title 10, Code of and 70, and in reliance on statements and representations heretofore ee to receive, acquire, possess, and transfer byproduct, source, and purpose(s) and at the place(s) designated below; to deliver or transfer regulations of the applicable Part(s). This license shall be deemed to y Act of 1954, as amended, and is subject to all applicable rules,
Licensee	In accordance with the letter dated
LICENSCE	March 14, 2013,
1. Uniformed Services University of	3. License number 19-23344-01 is amended in
the Health Sciences	its entirety to read as follows:
- NB F	EC
2. 4301 Jones Bridge Road	4. Expiration date September 30, 2015
Bethesda, Maryland 20814-4712	5. Docket No. 030-20775
4	Reference No.
9	P
 6. Byproduct, source, and/or special nuclear material A. Any byproduct material with atomic numbers 1 through 83 B. Hydrogen 3 C. Carbon 14 D. Phosphorus 32 E. Phosphorus 33 F. Sulfur 35 G. Technetium 99m H. Iodine 125 P. Any F. Any G. Any H. Any Suthorized use: A. through H. Research and development as defined in laboratory testing. 	 possess at any one time under this license A. 300 millicuries per radionuclide and 15 curies total B. 15 curies C. 5 curies D. 2 curies E. 2 curies F. 2 curies G. 2 curies H. 5 curies
CONDIT	IONS
CONDI	
 Licensed material may be used or stored only at the University of the Health Sciences, Main USUHS Ca Maryland and 1530 East Jefferson Street, Rockville \ 	ampus at 4301 Jones Bridge Road, Bethesda,

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			Amendment No. 27			
11.	A.	Licensed material shall only be used by, or under writing, by the Radiation Safety Committee. The I designated as users for 3 years following the last	icensee shall maintain records of individuals			
	В.	Licensed material shall be used by, or under the s	upervision of, MAJ Jama D. VanHorne-Sealy			
12.	The	licensee shall not use licensed material in or on hur	nan beings.			
13.	3. The licensee shall not use licensed material in field applications where it is released except as provided otherwise by specific condition of this license.					
14.	 Experimental animals, or the products from experimental animals, that have been administered licensed materials shall not be used for human consumption. 					
15.	This	license does not authorize commercial distribution	of licensed material.			
16.	 This license does not authorize distribution to persons licensed pursuant to 10 CFR 32.72 or 32.74; to persons exempt from licensing; or to general licensees. 					
17.	A.	Sealed sources shall be tested for leakage and/or months or at the intervals specified in the certifica Regulatory Commission under 10 CFR 32.210 or State.	te of registration issued by the U.S. Nuclear			
	В.	Notwithstanding Paragraph A of this Condition, se particles shall be tested for leakage and/or contant				
	C.	Each sealed source fabricated by the licensee sha defects, leakage, and contamination prior to any u	•			
	D.	In the absence of a certificate from a transferor ind the intervals specified in the certificate of registrat Commission under 10 CFR 32.210 or under equiv the transfer, a sealed source received from anothe and the test results received.	ion issued by the U.S. Nuclear Regulatory alent regulations of an Agreement State, prior to			
	E. Sealed sources need not be tested if they contain only hydrogen-3; or they contain only a radioactive gas; or the half-life of the isotope is 30 days or less; or they contain not more than 100 microcuries of beta- and/or gamma-emitting material or not more than 10 microcuries of alpha-emitting material.					

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			Amendment No. 2	27				
	F.	Sealed sources need not be tested if they are in si they are removed from storage for use or transferr within the required leak test interval, they shall be shall be stored for a period of more than 10 years contamination.	ed to another pers tested before use	on and l or transf	have er. N	not b No sea	een [·] aled	tested
	G.	The leak test shall be capable of detecting the pre- radioactive material on the test sample. If the test (185 becquerels) or more of removable contamina Regulatory Commission in accordance with 10 CF immediately from service and decontaminated, rep Commission regulations.	reveals the preser tion, a report shall R 30.50(c)(2), and	nce of 0. be filed the sou	005 with rce s	micro the U shall b	curie .S. N e rei	luclear
	Н.	Tests for leakage and/or contamination, including performed by the licensee or by other persons spectrum commission or an Agreement State to perform survival states and the second states are as a second state of the second states are as a s	cifically licensed b					
	I.	Records of leak test results shall be kept in units of 5 years.	f microcuries and	shall be	mair	itaine	d for	
18.		ed sources or detector cells containing licensed ma source holders by the licensee.	erial shall not be o	pened c	or sou	urces	remo	oved
19.	U.S. unde inver	licensee shall conduct a physical inventory every six Nuclear Regulatory Commission, to account for all er the license. Records of inventories shall be maint ntory and shall include the radionuclides, quantities, the date of the inventory.	sources and/or dev ained for 5 years fi	vices rec rom the	eive date	d and of ea	pos: ch	sessed
20.	Maintenance, repair, cleaning, replacement, and disposal of foils contained in detector cells shall be performed only by the device manufacturer or other persons specifically authorized by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.							
21.	A.	Detector cells containing a titanium tritide foil or a conjunction with a properly operating temperature temperatures from exceeding that specified in the 10 CFR 32.210.	control mechanism	n which	prev	ents t	he fo	il
	B.	When in use, detector cells containing a titanium t to the outside.	ritide foil or a scan	dium trit	ide fo	oil sha	all be	vented

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22.	The licensee is authorized to hold byproduct material with a physical half-life of less than or equal to 120 days for decay-in-storage before disposal without regard to its radioactivity if the licensee:								
	A. Monitors byproduct material at the surface before disposal and determines that its radioactivity cannot be distinguished from the background radiation level with an appropriate radiation detection survey meter set on its most sensitive scale and with no interposed shielding; and								
	B. Removes or obliterates all radiation labels, except for radiation labels on materials that are within containers and that will be managed as biomedical waste after they have been released from the licensee; and								
	C. Maintains records of the disposal of licensed materials for 3 years. The record must include the date of disposal, the survey instrument used, the background radiation level, the radiation level measured at the surface of each waste container, and the name of the individual who performed the disposal.								
23.		licensee is authorized to transport lice CFR Part 71, "Packaging and Transpor		terial in accordance with the provisions of Radioactive Material."					
24.	acco inclu shal	ordance with the statements, represent iding any enclosures, listed below. Th	tati <mark>ons, a</mark> le U.S. N sentation	ense, the licensee shall conduct its program in and procedures contained in the documents, uclear Regulatory Commission's regulations s, and procedures in the licensee's application regulations.					
	 A. Application dated April 25, 2005 (ML051300061) B. Letter dated July 18, 2005 (ML052140498) C. Letter dated June 6, 2006 (ML061720189) 								
			For th	ne U.S. Nuclear Regulatory Commission					
Date _		April 15, 2013	Ву	<i>Original signed by Dennis R. Lawyer</i>					
				Commercial and R&D Branch Division of Nuclear Materials Safety Region I King of Prussia, Pennsylvania 19406					