NRC FORM 374 1___OF __3_ PAGES PAGE **U.S. NUCLEAR REGULATORY COMMISSION** Amendment No. 02 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, 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 letter dated October 15, 2014, 1. University of Southern Indiana 3. License number 13-32233-01 is amended in its entirety to read as follows: 2. 8600 University Boulevard 4. Expiration date August 31, 2020 Evansville, IN 47712 5. Docket No. 030-35365 Reference No. 6. Byproduct, source, and/or special 7. Chemical and/or physical form 8. Maximum amount that licensee may nuclear material possess at any one time under this license A. Hydrogen-3 A. Any Bound Form A. 5 millicuries B. Carbon-14 B. Any Bound Form B. 5 millicuries C. Phosphorus-32 C. Any Bound Form C. 5 millicuries D. Phosphorus-33 D. Any Bound Form D. 5 millicuries E. Sulfur-35 E. Any Bound Form E. 5 millicuries F. Iodine-125 F. Any Bound Form F. 5 millicuries G. Radium-226 G. Sealed Source (Pylon G. 81 nanocuries **Electronics, Inc., Model RGS** Series) 9. Authorized use: A. through F. To be used for Research and Development as defined in 10 CFR 30.4, involving in vitro studies, and teaching and training of students. G. To be used as a calibration or reference source. CONDITIONS Licensed material shall be used only at the licensee's facilities located at 8600 University Blvd., 10. Evansville, Indiana. 11. The Radiation Safety Officer (RSO) for this license is Kent W. Scheller, Ph.D.

NRC FORM 374A U.S. NUCLEAR REGULATORY COMMISSION		PA	GE 2	of	3	PAGES					
	· · · ·		License Number 13-32233-01								
	MATERIALS LIC	Docket or Reference Number									
	SUPPLEMENTARY	030-35365									
		Amendment No. 02									
12.	 Licensed material listed in Item 6 above is only authorized for use by, or under the supervision of, the following individuals for the materials and uses indicated: 										
	Authorized Users	Material and Use									
	A. Kent W. Scheller, Ph.D.	All.									
	B. Jeannie Collins, Ph.D. Hydrogen-3, phosphorus-32, phosphorus-33, and sul										
	C. Eric McCloud, Ph.D.	Hydrogen-3, carbon-1 and iodine-125.	4, phosphorus-32, phos	ohorus-	33, su	ılfur-	35,				
	D. Mari Hopper, Ph.D.	lodine-125.									
13.	 The licensee is authorized to hold radioactive material with a physical half-life of less than or equal to 120 days for decay-in-storage before disposal in ordinary trash provided: A. Before disposal as ordinary trash, byproduct material shall be surveyed at the container surface with the appropriate survey meter set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated. 										
						19. 19	SSP.				
	B. A record of each disposal permitted under this License Condition shall be retained for three years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.										
14.	Licensed material shall not be u	sed in or on human being	S		aj aj	nietory Rose					
15.	The licensee shall not use licens	sed material in field applic	ations.			an Alta					
16.	The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material										
	ing and in the second sec				line. Tina						
					4						
		<u>c</u>									

NRC	FORM 374A	U.S. NUCLEAR REGULATORY COMMISSION		PAGE	3	of	3	PAGES
			License Number 13-32233-01					<u></u>
		MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference Num 030-35365	ber				
			Amendment No. 02	2				
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's regulations shall govern unles the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations."								

A. Application dated May 20, 2010; and

NOV 0 6 2014

Date

B. Letters dated August 11, 2010, and October 15, 2014.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Cassandra F. Frazier Materials Licensing Branch Region III