

UNITED STATES NUCLEAR REGULATORY COMMISSION REGION I 475 ALLENDALE ROAD KING OF PRUSSIA, PENNSYLVANIA 19406-1415

July 11, 2006

License No. 29-09831-01

 Docket No.
 03000886

 Control No.
 138301

Frederick Travis, Ph.D. Interim Provost Seton Hall University 400 South Orange Avenue South Orange, NJ 07079

SUBJECT: SETON HALL UNIVERSITY, LICENSE RENEWAL, CONTROL NO. 138301

Dear Dr. Travis:

This refers to your request for renewal of your NRC license. Enclosed with this letter is the renewed license. Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5239, so that we can provide appropriate corrections and answers.

The NRC expects licensees to conduct their programs with meticulous attention to detail and high standards of safety and compliance. Because of the serious consequences to employees and the public that can result from failure to comply with NRC requirements, you must conduct your program according to NRC regulations, the conditions of your NRC license, and the representations made in your application. In particular, note that you must:

- 1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
- 2. Notify the NRC in writing of any change in mailing address.
- 3. In accordance with 10 CFR 30.36(d), notify the NRC, promptly, in writing, and request termination of the license
 - a) when you decide to terminate all activities involving materials authorized under the license; or
 - b) if you decide not to acquire or possess and use authorized material.
- 4. Request and obtain a license amendment before you:
 - a) change Radiation Safety Officers;
 - b) order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license; or

- c) add or change the areas of use, or addresses of use identified in the license application or on the license; or
- d) change the name or ownership of your organization.
- 5. Submit a complete renewal application or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations.

You will be periodically inspected by the NRC. Failure to conduct your program safely and in accordance with NRC regulations, license conditions, and the representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, imposition of a civil penalty, or an order suspending, modifying or revoking your license.

An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14).

Current NRC regulations and guidance are included on the NRC's website at <u>www.nrc.gov;</u> select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material;** then **Toolkit Index Page.** Or you may obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 8:00 p.m. EST, Monday through Friday (except Federal holidays).

Thank you for your cooperation.

Sincerely,

Original signed by Thomas K. Thompson

Thomas K. Thompson Senior Health Physicist Commercial and R&D Branch Division of Nuclear Materials Safety

Enclosure: Amendment No. 25

cc: David Edwards, Radiation Safety Officer F. Travis Seton Hall University

DOCUMENT NAME: G:\Docs\Mailed\Lic Cvr Letter\l29-09831-01.138301.07122006.wpd

SUNSI Review Complete: <u>TThompson</u> After declaring this document "An Official Agency Record" it <u>will</u> be released to the Public.

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	Ν	DNMS/RI	DNMS/RI	
NAME	TThompson/TKT				
DATE	7/11/2006				

OFFICIAL RECORD COPY

NRC FORM 374 U.S. NUCLEAR REGULATO	DRY COMMISSION PAGE <u>1</u> OF <u>4</u> PAGES Amendment No. 25									
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, 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 application dated									
	January 23, 2006,									
1. Seton Hall University	3. License number 29-09831-01 is amended in									
CAR F	its entirety to read as follows:									
2. 400 South Orange Avenue	4. Expiration date July 31, 2016									
South Orange, New Jersey 07079	5. Docket No. 030-00886									
 6. Byproduct, source, and/or special nuclear material A. Hydrogen 3 B. Carbon 14 C. Phosphorus 32 D. Any D. Phosphorus 33 D. Any E. Sulfur 35 E. Any F. Iodine 125 F. Any 9. Authorized use: A. through F. Research and development as defined in 	and the interview of the i									
 CONDITIONS 10. Licensed material may be used or stored only at the licensee's facilities located at 400 South Orange Avenue, South Orange, New Jersey. 11. A. Licensed material shall be used by, or under the supervision of: 										

NRC FORM 374A		U.S. NUCLEAR RE	GULATORY COMMISSION	PAGE 2 of 4 PAGES							
		MATERIALS LICENS	SE ET	License Number 29-09831-01 Docket or Reference Number 030-00886 Amendment No. 25							
		Authorized Users	<u>Material</u>								
		Carolyn S. Bentivegna, Ph.D.	Hydrogen-3, Carbor Sulfur-35, Iodine-12	on-14, Phosphorus-32, Phosphorous-33, 125							
		Sulie Chang, Ph.D.	Hydrogen-3, Carbor 35, and Iodine-125	-14, Phosphorus-32, Phosphorous-33, Sulfur-							
		David Edwards, M.S., CHMM	Hydrogen-3, Carbor Sulfur-35, and loding	-14, Phosphorus-32, Phosphorous-33, e-125							
		Jane L. Ko, Ph.D.	Hydrogen-3, Carbor Sulfur-35, and loding	-14, Phosphorus-32, Phosphorous-33, e-125							
		Roberta Moldow, Ph.D.	Hydrogen-3, Carbor Sulfur-35, and Ioding	-14, Phosphorus-32, Phosphorous-33, -125							
		Heping Zhou	Hydrogen-3, Carbon-14, Phosphorous-32, Phosphorous-33, Sulfur-35, Iodine-125								
	В.	The Radiation Safety Officer for	this license is David E	dwards, M.S., CHMM.							
12.	Lice	nsed material shall not be used i	n or on human beings	S S							
13.	The prov	licensee shall not use licensed n ided otherwise by specific condit	naterial in field application of this license.	ations where activity is released except as							
14.	Sea from	led sources or detector cells cont source holders by the licensee.	taining licensed mater	erial shall not be opened or sources removed							
15.	A.	Sealed sources shall be tested for intervals specified in the certification under 10 CFR 32.210 or under e	or leakage and/or con ate of registration issue equivalent regulations	tamination at intervals not to exceed the ed by the U.S. Nuclear Regulatory Commission of an Agreement State.							
	B.	In the absence of a certificate from intervals specified in the certificate under 10 CFR 32.210 or under end sealed source received from and received.	ting that a leak test has been made within the ed by the U.S. Nuclear Regulatory Commission of an Agreement State, prior to the transfer, a be put into use until tested and the test results								
	C.	Sealed sources need not be test gas; or the half-life of the isotope beta- and/or gamma-emitting ma	ted if they contain only e is 30 days or less; o aterial or not more tha	v hydrogen-3; or they contain only a radioactive r they contain not more than 100 microcuries of n 10 microcuries of alpha-emitting material.							

NRC	FOR	M 374A		U.S. N	UCLEA	R REGL	JLATOF	RY CO	MMISSI					PAGE	3	of	4	PAG	GES
											License N 29-098	lumber 31-01							
		l S	MATE SUPPL		LICE	ENSE SHEET	E r				Docket or 030-00	Reference 886	ce Numł	ber					
											Amend	ment N	lo. 25						
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20.	20. 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 unle							this li tions, clear F	cense and p Regula	e, the proc ator	e licens edures y Comn	ee sha contaii nission	III con ned in 's reg	duct its the do ulation	gram ents, all go	in , incl vern	g ess		

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			License Number 29-09831-01					
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			Amendment No. 25					
the statements, more restrictive A. Letter date B. Letter date C. Letter date	representations, and procedu than the regulations. d January 24, 2006 with applic d May 12, 2006 (ML06135012 d June 22, 2006 (ML06174013	res in the lice cation (ML06 5) 35) R RE(ensee's application a 0310435)	nd corr	espo	nde	nce a	are
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Date <u>July 11, 20</u>	July 11, 2006		ginal signed by Tho	mas K	. The	отр	son	
		Tho Cor Divi Reg Kin	mas K. Thompson nmercial and R&D B sion of Nuclear Mate gion I g of Prussia, Pennsy	ranch rials Sa vania 1	afety	6		