NRC FORM 374 U.S. NUCLEAR REGULAT	PAGE OF PAGES	
Amenument No. 16		
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 letter dated	
	March 15, 2007,	
1. Northern Michigan University	3. License number 21-09119-02 is amended	
Department of Biology	in its entirety to read as follows:	
2. 1401 Presque Isle Avenue	4. Expiration date September 30, 2007	
Marquette, MI 49855	5. Docket No. 030-08204	
	Reference No.	
 6. Byproduct, source, and/or special nuclear material A. Carbon-14 B. Hydrogen-3 	 A Maximum amount that licensee may possess at any one time under this license A Naximum amount that licensee may possess at any one time under this license 	
A. Carbon-14 🔊 A. Any	A. 20 millicuries	
	3 10 millicuries	
C. Phosphorus-32	C. 10 millicuries	
D. Phosphorus-33 - D. An	D. O10 millicuries	
E. Sulfur-35	E. ≩ 0 millicuries	
	$F. \leq 20$ millicuries	
	1	
G. Copper-67	GC 20 millicuries	
9. Authorized Use:		
A. through G. Laboratory research including student instruction and animal studies, as described in application dated July 18, 1994		
CONDITIONS		
10. Licensed material shall be stored only at the licensee's facilities located in Room 2309 New Science Facility (Nuclear Chemistry Lab) as the location where radioactive materials will be stored and used on the campus of Northern Michigan University. The street address of the New Science Facility is 1401 Presque Isle Avenue 49855, Marquette, Michigan.		
 Licensed material shall be used by, or under the supervision of John E. Rebers, Ph.D., Robert Winn, Ph.D., Lesley Putman, Ph.D., Suzanne Williams, and Donna Becker, Ph.D. 		

NRC F	ORM 374A U.S. NUCLEAR REGULATORY COMM	SSION PAGE 2 of 2 PAGES
		License Number 21-09119-02
MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference Number 030-08204	
		Amendment No. 18
12. A. The Radiation Safety Officer for this license is John E. Rebers, Ph.D.		
B. The Assistant Radiation Safety Officer for this license is Donna Becker, Ph.D.		
13. Licensed material shall not be used in or on human beings.		
 Experimental animals, or the products from experimental animals, that have been administered licensed materials shall not be used for human consumption. 		
15. The licensee is authorized to hold radioactive material with a physical half-life of less than 120 days for decay-in-storage before disposal in ordinary trash provided:		
 A. Before disposal as ordinary trash, biproducEmeterial 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. 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 radionudides disposed, the survey instrument used, the background dosa rate, the dose rate measured at the outface of each waste container, and the name of the individual who performed the deposed. 16. Except as specifically provided outputs in the license, the incerise shall onduct its program in accordance with the statements in the entities in the dual of procedures contained in the documents, including any enclosures, listed befow. The LL, Nucleur is equally Commission's regulations shall govern unless the statements, representations. A. Applications dated July 18, 1994 and September 23, 2002; and B. Letters dated April 18, 1997, July 7, 2000 (with all comments), and two letters dated September 20, 2002. 		
Date _	APR 3 0 2007 By Ja M	THE U.S. NUCLEAR REGULATORY COMMISSION