NRC FORM 374

U.S. NUCLEAR REGULATORY COMMISSION

MATERIAL 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		
1. Purdue University	CLEAR F	3. License Number: SNM-142, Amendment 3
2. West Lafayette, Indiana 47907		4. Expiration Date: September 25, 2023
S		5. Docket No. 70-152
6. Byproduct Source, and/or Special Nuclear Materials	7. Chemical and/ Form	or Physical 8. Maximum Amount That Licensee May Possess at Any One Time Under This License
A. Uranium enriched in the U-235 isotope	A. SPERT fuel roo enriched <u><</u> 4.8	
B. Uranium enriched in the U-235 isotope	B. Fuel rods, enriched <u><</u> 1.3	B.*
C. Uranium enriched in the U-235 isotope	C. Solid helices, enriched <u><</u> 20 v	C.
D. Uranium enriched in the U-235 isotope	D. Solid discs, enriched <u><</u> 3 w	D. /o
E. Uranium enriched in the U-235 isotope	E. Samples, enriched <u><</u> 20 v	E. w/o
F. Plutonium	F. Encapsulated I neutron source	
G. Natural Uranium	G. UO ₂ pellets cla aluminum	d in G.*
H. Natural Uranium	H. Samples, any f	Form H.
I. Californium	I. 10 doubly encapsulated	l.*

sources					
NRC F	ORM 374A U.S. NUCLEAR REGULATORY COMM	ISSION -2-			
		License Number, SNM-142, Amendment 3			
MATERIALS LICENSE SUPPLEMENTARY SHEET		Docket or Reference Number 70-152			
J.	Uranium 233 J. Calibration sou	ces J.			
*Fo	*For storage only				
К.	Neptunium 237 K. Calibration sou	ces K.			
L.	Plutonium 239 L. Calibration sou	ces UL.			
M.	Curium 244 M. Calibration sou	rces M.			
N.	Uranium enriched in the isotope U-235 N. Solid, oxide or enriched $\leq 5 \text{ w/}$ contaminated e	o in L			
9.	Authorized use: For use in accordance with statements, representations, and conditions specified in the license application dated May 4, 1999, and applications dated August 28, 2000, August 6, 2012, June 6, 2016, September 1, 2016, July 7, 2020 and April 30, 2021.				
10.	Authorized place of use: The licensee's existing F Indiana.	Purdue University Campus at West LaFayette,			
11.	 Notwithstanding Sections 6.0(c) and 9.1(b) of the application dated May 4, 1999, the licensee is required to have NRC approval by license amendment before using (e.g., moving) the SPERT fuel rods, fuel rods, californium sources, or natural uranium pellets. 				
	11.1 The licensee is authorized to use the enrich campus broad scope license location for testing o				
12.	12. Notwithstanding Section 8.5 of the application dated May 4, 1999, refresher training that covers radiation safety procedures shall be conducted on an annual basis (maximum interval 15 months) for all employees and students who use licensed material.				
13.	13. Release of equipment, facilities, or packages to the unrestricted area or to uncontrolled areas onsite shall be in accordance with the attached "Guidelines for Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use or Termination of Licenses for Byproduct, Source, Or Special Nuclear Material" dated April 1993.				
14.	The licensee is hereby exempted from the require applies to the stored material in the Duncan Anne				

NRC FORM 374A U.S. NUCLEAR REGULATORY COMMISSION	-3-		
MATERIALS LICENSE SUPPLEMENTARY SHEET	License Number SNM-142, Amendment 3 Docket or Reference Number 70-152		
15. As it pertains to License SNM-142, the licensee shall fully implement and maintain in effect all provisions of the approved 10 CFR 73.67 physical security plan, including changes and amendments made pursuant to 10 CFR 70.32(e) and 10 CFR 70.34. The approved physical security plan, which was submitted by letter dated May 15, 1987, consists of a document containing Safeguards Information entitled, "Security Plan for the Purdue University Reactor, the Fast Breeder Blanket Facility and the Nuclear Fuel Storage Areas," Revision 3, dated May 15, 1987."			
FOR THE NUCLEAR REGULAT	ORY COMMISSION		
Fuel Facility Division of I	SS/WI		