application is correct to the best of his/her knowledge.

27. AUTHORIZED OFFICIAL

. SIGNATURE bl Dermain

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY GAO B-180225(R0362)

APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT (See Instructions on Reverse)

1. APPLICANT'S a. DATE	OF APPLICATION	Japan Q80	CE 2. NHC USE -	XS	MM ()	1706	1100	2/3	9	
3. APPLICANT'S NAME AND ADDRESS RIS YUF				ER'S NAME				RIS		
a. NAME			(Comple	te if applicant	is not supplier	of material)				
REACTOR EXPERI	MENTS, INC.									
963 TERMIN WAY				UNION CARBIDE COPR-OAK RIDGE NAT'L LAB.						
SAN CARLOS,		STATE ZIP CODE	b. STREE	TADDRESS						
		CA 94070	P.0	P.O. Box X						
415/592-3355	Area Code - Number -	- Extension)	c. CITY	RIDGE			STATE	37830		
5. FIRST SHIPMENT 6. FINAL SHIPMENT SCHEDULED SCHEDULED		NT 7. APPLICANT'S CON	the state of the s	8. PROPOSED LICENSE EXPIRATION DATE		9. U.S. DEPARTMENT OF ENER CONTRACT NO. (If Known)			ENERG	
Not set yet		4 months afte		17-14-2	Valid 1 year					
		approval gran	THE RESERVE THE PERSON NAMED IN					241-070	-	
10. ULTIMATE CONSIGNE	E	RIS	11. ULTII	MATE END U			100 mar 170	WHAT A		
Power Reactor & 1	Miclear Fiel	Development Corn		use in e		ntol fo	oct ron	atar I	TOVO	
b. STREET ADDRESS	TOCICCI I COL	resopriere corp		determin						
Carai Engineering	Center			. State			-233 (11,1) 1	eact,	
c. CITY - STATE - COUN	NTRY			. Death	ilorre dec	Car Book a			*	
Ibaraki-ken JAPAN	V		11a. EST.	DATE OF FI	RST USE					
12. INTERMEDIATE CONS	IGNEE	RIS		RMEDIATE						
a. NAME										
		Mary and Company								
b. STREET ADDRESS										
			-							
c. CITY - STATE - COUN	TRY		1							
			-	DATE OF FI						
14. INTERMEDIATE CONS	IGNEE	AIS - trans-	15. INTE	RMEDIATE E	ND USE		BUSINESS.	SAME PER	79.0	
a. NAME										
b. STREET ADDRESS										
c. CITY - STATE - COUN	TRY									
			15a. EST.	DATE OF FI	RST USE		تسليف			
16. NRC (Include che		SCRIPTION	las valva af	18. MAX	. ELEMENT	19. MAX.	20. MAX		21.	
	ipment and component	n of nuclear material; give doll s)	rar value of	WEI	GHT	WT. %	ISOT	OPE WT.	UNI	
Unanism (as	on at Endaire	000 11 005) 4- 41	h - C							
		.89% U-235) in ti n vanadium capsu							100	
welded shut. Approximately 1 mg/capsule sules).					5 mg	99.89%	62	4 mg		
				02.	Jing	33.03%	02.	4 mg	mg	
						- 19	170			
					10-1		8		1	
				- F		177				
					7.	X	-			
(S)(2)					Š	20	N	1000		
22. COUNTRY OF ORIGIN 23. COUNTRY OF ORIG					24. COUNT				Belli	
SOURCE MATERIAL WHERE ENRICHE			D OR PRODUC	ED		JARDS (If)	(Down)	68		
		USA			20 27	70.				
25. ADDITIONAL INFORM					S					
Please note the	end use state	ment should show	the enri	chment a	is 99.89	6.				
800729	857									
26. The explicant contillation	and other amplications in	aranarad in sector the select	Title 10 Co.	of Endoud 5	anulatia m	ad the stall i	nfa	inchi		
26. The applicant certifies th	nat this application is	prepared in conformity with	Title 10, Cod	of Federal R	egulations, a	nd that all i	nformation	in this		

b. TITLE

Vice President

POWER REACTOR AND NUCLEAR FUEL DEVELOPMENT CORPORATION

Oarai Engineering Center
Oarai -machi
Higashi-Ibaraki-gun
Ibaraki-ken
JAPAN
Telephone: 02926-7-4141

U235 END USER'S STATEMENT

WE, THE POWER REACTOR AND NUCLEAR FUEL DEVELOPMENT CORPORATION (FIC), WILL USE THE U^{235} IN DOSIMETER SENSORS FOR MATERIAL SURVEILLANCE TESTS IN THE EXPERIMENTAL FAST REACTOR "JOYO".

THESE U²³⁵ DOSIMETER SENSORS WILL BE CONTAINED IN VANADIUM CAP-SULES, AND ASSEMBLED INTO AN IRRADIATION RIG WITH OTHER DOSI-METERS. THE RIG WILL BE INSERTED AT SURVEILLANCE POSITIONS IN THE "JOYO" MK-II CORE, AND IRRADIATED FOR APPROXIMATELY 45 DAYS.

AFTER IRRADIATION, FOR DETERMINATION OF THE $u^{235}(n,f)$ REACTION RATE, WE WILL MEASURE THE GAMMA RAY EMISSION RATES OF u^{235} FROM THE DOSIMETERS WITH A GERMANIUM (Ge) SOLID STATE DETECTOR. BY REASON STATED ABOVE WE REQUEST 62.5 MG OF URANIUM IN THE FORM OF U02 (ENRICHED TO 99.98 PERCENT U-235)

JULY 4, 1980

S. Suzuki 🛞

SOUJYU SUZUKI
REACTOR TECHNOLOGY SECTION
EXPERIMENTAL FAST REACTOR DIVISION