Des

(3-80	M NRC-313 I U)) FR 30	APPLICATION FOR: (Check and/or complete as appropriate)				
	APPLICATION FOR	a. NEW LICENSE				
See a	stached instructions for details.		b. AMENDMENT TO:			
Office Washi	leted applications are filed in the of Nuclear Material Safety, and application DC 20555 or application H Street, NW, Washington, D. C.	d Safeguards, U.S. Nuclear Reg a may be filed in person at the	ulatory Commission, Commission's office at	C. RENEWAL OF: LICENSE NUMBER		
2. API	PLICANT'S NAME (Institution, 1	irm, person, etc.)	3. NAME AND TITLE OF LERSON TO BE CONTACTED REGARDING THIS APPLICATION			
	1 M. Deloca, Jr. Ph.		same as 2. TELEPHONE NUMB'R: AL A CODE - NUMBER EXTENSION			
4. API (Ad sho	PLICANT'S MAILING ADD SESS dress to which NRC corresponder uld be sent.) ical Physics Dept.	(Include Zip Code) nce, notices, bulletins, etc., University of Wisc	(Include Zip Cude)	E LICENSED MATTRIAL WILL BE USE		
	rling Hall	Madison, WI 53711	same as 4.			
		SE OR DIRECTLY SUPERV	USE ADDITIONAL PROPE			
1975	FULL NA		TVOUGH NAMED DESCRIPTIONS	TITLE		
-		Variable V		6-89		
Pa	ci M. DeLuca Jr., Pl	h.D./S	N/A	20 20		
).		ALLE VED				
la.		FR06 1981		CHO H		
	1 M. DeLuca Jr., Ph	YNOTA MONTELLINE	A Cluch e resume of person's tra 16 and 17 and describe his respo	ining and experience as outlined in Items onsibilities under Item 15.		
		8. LICENSE	DMATERIAL			
L N E	ELEMENT AND MASS NUMBER	CHEMICAL AND/OR PHYSICAL FORM	NAME OF MANO. ACTURE AND MODEL NUMBER (If Sealed Source)	MILLICURIES AND/OR SEALED SOURCES AND MAXIMUM ACTI- VITY PER SOURCE WHICH WILL BE POSSESSED AT ANY ONE TIME		
ND.	Α	В	С	D		
-	Elements 3-98	any	sealed sources	none		
(2)						
(3)						
(4)		DESCRIBE USE OF	L CENSED MATERIAL			
		E				
(1)	Application is for	authorization to pe	rform and report ans	alysis of wipe tests of		
(2)	sealed sources to o	wner. Byproduct se	aled sources of lice	ensed quantities will not		
(3)	be obtained. For d	escription of test	procedure, see attac	hment.		
4)						

		ъ.	STORAGE OF	SEALED SOURCE	ES	
1-Zw	CONTAINER AND/OR DEVICE IN WATCH EACH SEALED SOURCE WILL BE STORED OR USED.			NAME OF MANUFACTURER		MODEL NUMBER
NO.	Α			В.		C.
(4)	S/A					
(2:						
(3)						
(4)						
10. RADIATION DETECTION INSTRUMENTS						
5. = Z +	TYPE OF INSTRUMENT	MANUFACTURER'S NAME	MODEL NUMBER	NUMBER AVAILABLE	RADIATION DETECTED (alpha, beta, gamma, neutron)	SENSITIVITY RANGE (milliroentgens/hour or counts/minute)
NO.	A	В	С	D	E	F
(1)	lb" NaI	Harshaw	7SF8	1	x, y-rays	0.1 nCi
(2)	1.SC	Packard	2420	11	α,β -rays	0.1 nCi
(3)	Geiger Tube	Nucleus	N/A	1	α, β, γ, X-rays	0.1 nCi
(4)						
New York Control of the		11. CALIBR	ATION OF INST	TRUMENTS LISTE	D IN ITEM 10	
	TYPE		RSONNEL MOI	NITOFING DEVIC	ES	EXCHANGE FREQUENCY
	(Check and/or comple	ete as appropriate.)		(Ser ice Company) B		C
Е	11 FILM BADGE					☐ MONTHLY
c	DOSIMETER (TLD)					O QUARTERLY
0-	3) OTHER (Specify):_					☐ OTHER (Specify):
	13. FACILITIES	S AND EQUIPMENT (Check wern appro	opriate and attach	otated sketch(es) a	ind description(s).
EL	 STORAGE FACIL REMOTE HANDL 	ACILITIES, PLANT FACI ITIES, CONTAINERS, SP ING TOOLS OR EQUIPM ROTECTIVE EQUIPMEN	ECIAL SHIELDIN ENT, ETC. I, ETC.	G (fixeo and/or temp	on 1/, ETC.	
				TE DISPOSAL		
0.		IAL WASTE DISPOSAL S	ERVICE EMPLOY	ED		
4	A SECURITION OF STREET PROPERTY.	CINIO OF DADIDACTIVE	MARTER AND ES	STIMATES OF THE T	TE - AND ANDUNE OF	DF METHOES WHICH WILL ACTIVITY INVOLVED. IF MANUFACTURER, SO STATE
	N/A					

INFORMATION REQUIRED FOR ITEMS 15, 16 AND 17

Describe in detail the information required for Items 15, 16 and 17. Begin each item on a separate page and key to the application as follows:

- 15. RADIATION PROCECTION PROGRAM. Describe the radiation protection program as appropriate for the material to be used including the duties and responsibilities of the Radiation Protection Officer, control measures, bicassay procedures (if needed), day-to-day general safety instruction to be followed, etc. If the application is for sealed source's also submit leak testing procedures, or if leak testing will be performed using a leak test kit, specify manufacturer and model number of the leak test kit.
- 6. FORMAL TRAINING IN RADIATION SAFETY. Attach a resume for each individual named in Items 6 and 7. Describe individual's formal training in the following areas where applicable. Include the name of person or institution providing the training, duration of training, when training was received, etc.
 - a. Principles and practices of radiation protection.
 - Radioactivity measurement standardization and monitoring techniques and instruments.
 - Mathematics and calculations basic to the use and measurement of radioactivity.
 - d. Biological effects of radiation.
- 17. EXPERIENCE. Attach a resume for each individual named in Items 6 and 7. Describe individual's work experience with radiation, including where experience was obtained. Work experience or on-the-job training should be commensurate with the proposed use. Include list of radioisotopes and maximum activity of each used.

18. CERTIFICATE

(This item must be completed by applicant)

The applicant and any official executing this certificate on behalf of the applicant named in Item 2, certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, Part 30, and that all information contained herein, including any supplements attached hereto, is true and correct to the best of our knowledge and belief.

V 4RNING.-18 U.S.C., Section 1001. Act of June 25, 1948; 62 Stat. 749, makes it a criminal offense to make a willfully false statement or representation to any department or energy of the United States as to any matter within its jurisdiction.

s, LIUENSE FEE REQUIRED (See Section 170,31, 10 CFR 170)	Caul M. (le Lucy).		
170.31 - 9.8.	Paul M. Deluca Jr.		
(1) LICENSE FEE CATEGORY: 9.6	d. TITLE		
(2) LICENSE FEE ENCLOSED S	e. DATE 23 - MARCH -81		