	CFR 30		1. APPLICATION FOR: (Check and/or complete as appropriate)			
	APPLICATION FO		a. NEW LICENSE			
Con	attached instructions for details	duplicate with the Division of	ne Commission's office at		b. AMENDMENT TO: LICENSE NUMBER 34-13845-01	
Wasi	hington, DC 20555 or applicati	and Safeguards, U.S. Nuclear Re ons may be filed in person at th . C. or 7915 Eastern Avenue, Si			c. RENEWAL OF:	
	PPLICANT'S NAME (Institution	, firm, person, etc.)	3. NAME OF PERSON TO BE CONTACTED REGARDING THIS APPLICATION			
- Section 1	Bicron Corporation		R.R. Dayton			
(	216) 564-2251		TELEPHONE NUMBER: AREA CODE - NUMBER EXTENSION (216) 564-2251			
	PPLICANT'S MAILING ADDRE	SS (Include Zip Code)	5. STREET ADDRESS WHERE LICENSED MATERIAL WILL BE USE (Include Zip Code)			
D	Wewbury, Ohio 4406	5	12345 Kinsman Road Newbury, Ohio 44065			
	(IF MORE SPACE I	S NEEDED FOR ANY ITEM	, USE ADDITIONAL PI	ROPERLY	KEYED PAGES.)	
6. 18	DIVIDUAL(S) WHO WILL	USE OR DIRECTLY SUPER training and experience of each in	VISE THE USE OF LIC	ENSED M	ATERIAL	
MOTOR STORY	FULL!	VAME		Т	ITLE	
. R	.R. Dayton		Director Product Research			
5. W	.P. Novak/C.R. Hurl	but	Quality Assurance Director/Manager-Organics			
. J	.G. Johnston/J.H. N	edorost	Manager/Assistant Manager-Electronics			
	.R. Dayton	CER	Attach a resume of person's training and experience as outlined in Items 16 and 17 and describe his responsibilities under Item 15.			
-		8. LICENSE	DMATERIAL			
LINE	ELEMENT AND MASS NUMBER	CHEMICAL AND/OR PHYSICAL FORM	MODEL NUMBER S (If Sealed Source) VI		MAXIMUM NUMBER OF MILLICURIES AND/OR SEALED SOURCES AND MAXIMUM ACTI- VITY PER SOURCE WHICH WILL BE POSSESSED AT ANY ONE TIME	
NG.	Α	В	С		D	
1)	241 95 Am	Am-Be Sealed source	AME.PEl		One sealed source	
2)			X2 capsule		less than 400 millicuries	
1)			(Amersham)	A	037086 \$2	
4)				Check No	036453	
		DESCRIBE USE OF L	Amount/Fee Category \$407-39			
1)	See Attachment Num	Type of F	ee AMD			
2)	8504220309	850401		Date Che	111111111111111111111111111111111111111	
3)	RE03 LIC36 34-13845-0	1 PDR		Received By ase.		
		ci	ONTROL NO. : 7	364		

		9.	STORAGE OF	SEALED SOURC	ES	
Zwz-L	CONTAINER AND/OR DEVICE IN WHICH EX- SOURCE WILL BE STORED OR USED.		R		MODEL NUMBER	
		stored in a 2"	thick	Bicron Corporation		N/A
(1)	Sources are	stored in a 2	CITCA	The second secon		
(2)	lead cabine	t except when be	ing used	\$456 01 2 45 VALUE 1 2 25 2 3		11
(3)	for detecto	or test or cablin	ration.			
4)						
41		10 PAC	NATION DETE	CTION INSTRUM	IENTS	
			MODEL	NUMBER	RADIATION	SENSITIVITY
L-2m0.	TYPE OF INSTRUMENT	MANUFACTURER'S NAME B	NUMBER	AVAILABLE	DETECTED (alpha, beta, gamma, neutron) E	RANGE (milliroentgens/hour or counts/minute) F
(1)	M.C.A.	Bicron test System	N/A	N/A	Alpha/Gamma	< .005 MR/HR.
(2)					Table 1	
-		-				
3)				-		
(4)						
-		11. CALIBRA	TION OF INST	RUMENTS LISTE	ED IN ITEM 10 ED BY APPLICANT	
		12 055	SONNEL MON	Test	and calibration	daily.
	TYPE	and the same of th	SOMMET MICH	SUPPLIER		EXCHANGE FREQUENC
	(Check and/or comple			(Service Company)	С	
(1) FILM BADGE			R.S. Landauer, Jr. & Co.			MONTHLY
図(2) THERMOLUMINESCENCE						QUARTERLY
	DOSIMETER (TLD)					OTHER (Specify):
N/A						
-						
	13 FACILITIES	AND EQUIPMENT (CH	neck were appro	priate and attach a	annotated sketch(es) a	nd description(s).
00	a. LABORATORY FA b. STORAGE FACILI c. REMOTE HANDLII	CILITIES, PLANT FACILI TIES, CONTAINERS, SPEC NG TOOLS OR EQUIPMEN	TIES, FUME HO CIAL SHIELDING NT, ETC.	ODS (Include filtrat	ion, if any), ETC.	N/A
	. RESPIRATORY PR	OTECTIVE EQUIPMENT,	14. WAS	TE DISPOSAL		
a. N	AME OF COMMERCIA	AL WASTE DISPOSAL SEI	Commence of the Commence of th	Control of the State of the Control of the State of the S		
- 25	E USED FOR DISPOS HE APPLICATION IS	TE DISPOSAL SERVICE I ING OF RADIOACTIVE W FOR SEALED SOURCES	AND DEVICES A	ED, SUBMIT A DETA TIMATES OF THE T NO THEY WILL BE	THE AND AMOUNT OF	ANUFACTURER, SO ST
T						

restriction.

## INFORMATION REQUIRED FOR ITEMS 15, 16 AND

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:

\*As previously submitted.

- 15. RADIATION PROTECTION 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, bioassay 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.
- 16. 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
  - a. Principles and practices of radiation protection.
  - b. Radioactivity measurement standardization and monitoring techniques and instruments.
  - c. Mathematics and calculations basic to the use and measurement of
  - 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 onthe 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,

WARNING.-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 agency of the United States as to any matter within its jurisdiction.

8. LICENSE FEE REQUIRED (See Section 170,31, 10 CFR 170)		b. CERTIFY NG OFFICIAL (Signature)		
	\$ 40.00	c. NAME (Type or print) R.R. Dayton		
(1) LICENSE FEE CATEGORY:	3L	d. TITLE		
2) LICENSE FEE ENCLOSED: \$ DRM NRC-313 I (1-79)	\$ 40.00	Director of Product Research  e. DATE December 5, 1984 CONTROL NO. 796		

TOTAL STREET