10 CF		S. NUCLEAR REGULATORY	OMMISSION	1. IChi	APPLICATION FOR: eck and/or complete as appropriate)
•	APPLICATION FOR	EVERGEUCT MATERI.	AL LICENSE		a. NEW LICENSE
	acheo instructions for getails.	fuplicate with the Division of Fi	uel Cycle and Material Safety.	Х	b. AMENDMENT TO: LICENSE NUMBER 22-00519-06
Tryunk o	it idurinat Material Salety, att	id Sateguards, U.S. Nuclear Reguls may be filed in person at the C. or 7015 Eastern Avenue, Silv	Commission's office at		C. RENEWAL OF:
ДРР	"ANT'S NAME Institution.	um, ps:con. etc.)	APPLICATION	CON	NTACTED REGARDING THIS
	YO Clinic	DE - NUMBER SYTEMSION	Alan L. Orvis TELEPHONE NUMBER: AREA CODE - NUMBER EXTENSION (507) 284-7183 5. STREET ADDRESS WHERE LICENSED MATERIAL WILL BE USE! (Include Zip Code)		
Ra	07) 284-4400 MICANT'S MAILING ADDRES diation Safety	Office			
Ro	chester, MN 55	905	Mayo Clinic Rochester, MN 55905		
a IND	I THIN CHIM (S) THOUSE	NEEDED FOR ANY ITEM	VISE THE USE OF LICENS	EDN	KEYED PAGES.)
Sec	Hemr 16 and 17 for required t	training and experience of each in	dividual named below)		TITLE
	FULL N	(4***	+		rapeutic Radiology
	NATION SECTION OF EN	CER	Attach a resume of person's to	rainin	g and experience as outlined in Items
	DIATION PROTECTION OFFI		16 and 17 and describe his res	rainin	ig and experience as outlined in Items bilities under Item 15.
	Lan LeRoy Orvis		16 and 17 and describe his result	ponsi	bilities under Item 15.
			16 and 17 and describe his res	ponsi	MAXIMUM NUMBER OF MILLICURIES AND/OR SEALED SOURCES AND MAXIMUM ACTI-
A.I	Lan LeRoy Orvis	8. LICENSE CHEMICAL AND/OR	D MATERIAL NAME OF MANUFACTUR AND MODEL NUMBER	ponsi	MAXIMUM NUMBER OF MILLICURIES AND/OR SEALED SOURCES AND MAXIMUM ACTI-
A.I	Lan LeRoy Orvis	8. LICENSE CHEMICAL AND/OR PHYSICAL FORM	D MATERIAL NAME OF MANUFACTUR AND MODEL NUMBER (If Sealed Source) C J.L. Shepherd	IER	MAXIMUM NUMBER OF MILLICURIES AND/OR SEALED SOURCES AND MAXIMUM ACTI- VITY PER SOURCE WHICH WILL BE POSSESSED AT ANY ONE TIME
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ECPM NRC-312 (1-79)

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 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.
- See attached sheet

 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 received, etc.

 See below
 - 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.

Richard G. Evans: See applications dated August 17, 1979,

and December 28, 1979, Re amendment to

22-00519-06.

Alan L. Orvis: Se

See 22-00519-03 renewal application dated August 25, 1978.

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.

a. LICENSE FEE REQUIRED (See Section 170.31, 10 CFR 170)	b. CERTIFYING OFFICIAL (Signature)		
\$40.00	c. NAME (Type or print) Alan L. Orvis		
(1) LICENSE FEE CATEGORY 7.B. (amendment)	Radiation Safety Officer		
(2) LICENSE FEE ENCLOSED: \$40.00	e. DATE May 21, 1981		

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