



DEPARTMENT OF THE NAVY

NAVAL HOSPITAL

PORTSMOUTH, VIRGINIA 23708

IN REPLY REFER TO:

6470

7162

3 October 1985

From: Commanding Officer, Naval Hospital, Portsmouth, Virginia 23708
To: Radioisotope License Branch, Division of Fuel Cycle and Material
Safety, Office for Material Safety and Safeguards, U.S. Nuclear
Regulatory Commission, Washington, DC 20555
Via: Commander, Naval Medical Command (NAVMED-21),
Washington, DC 20372

Subj: REQUEST FOR AMENDMENT TO U.S. NUCLEAR REGULATORY COMMISSION BYPRODUCT
MATERIAL LICENSE NO. 45-01121-04

Ref: (a) Byproduct Material License No. 45-01121-04

Encl: (1) NRC Form 313T Supplement A
(2) NRC Form 313T Supplement B
(3) Eastern Virginia Medical School letter dated July 18, 1985
(4) Personal and Professional Information on Frederick Robert Ellwanger
(5) American Board of Radiology letter dated May 11, 1983

1. It is requested that subject license be amended to allow CAPT Frederick Robert Ellwanger III, MC, USN, to be a user on the teletherapy license. This request is being made because CAPT Ellwanger does not meet the current requirement of the therapy license for Board certification, nor does he meet the 3-year active practice in therapeutic radiology requirement. Information pertinent to this request is attached as enclosures (1) through (5).

2. CAPT Ellwanger has just completed a two-year residency program in radiation therapy at Eastern Virginia Medical School, Norfolk, Virginia (enclosure (3)). This program is accredited by the Residency Review Committee of Radiology of the Accreditation Council for Graduate Medical Education. His previous experience in pediatrics and Board certifications including Pediatric Hematology-Oncology, enclosure (4), were sufficient to allow him 2 years credit towards ABR Board eligibility in therapeutic radiology, enclosure (5). Having completed his two-year residency program, he is now ABR Board-eligible and has applied to take the boards this year.

3. Although CAPT Ellwanger does not meet the training requirement or the Board certification requirement, the Radiation Safety Committee felt that his experience and training were sufficient to qualify him as a user. The committee unanimously recommended that this information be forwarded to the NRC to request a license amendment approving CAPT Ellwanger as a user.

8602260567 860226
NMSS LIC30
45-01121-04 PDR

G. J. Adler
G. J. ADLER
By direction

Copy to:
Commander, Naval Medical Command
Mid-Atlantic Region
Norfolk, VA 23508

EXHIBIT B.

NRC Form 313T Supplement A (9-81) 10 CFR 25		U.S. NUCLEAR REGULATORY COMMISSION		
TRAINING AND EXPERIENCE PROPOSED AUTHORIZED USER OR RADIATION SAFETY OFFICER				
1. NAME OF PROPOSED AUTHORIZED USER OR RADIATION SAFETY OFFICER FREDERICK ROBERT ELLWANGER III			2. STATE OR TERRITORY IN WHICH LICENSED TO PRACTICE MEDICINE (If physician) VIRGINIA	
3. CERTIFICATION				
SPECIALTY BOARD	CATEGORY	MONTH AND YEAR CERTIFIED		
4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES (To be completed by institution providing training)				
FIELD OF TRAINING	LOCATION AND DATE(S) OF TRAINING	TYPE AND LENGTH OF TRAINING		
		LECTURE/LABORATORY COURSE (Hours)	FORMAL SUPERVISED OUT/LABORATORY EXPERIENCE (Hours)	
RADIATION PHYSICS AND INSTRUMENTATION	Eastern Virginia Graduate School of Medicine, Dept. of Radiation Oncology & Biophysics, 600 Gresham Drive, Norfolk, VA August 1983 - August 1985	150	240	
RADIATION PROTECTION	Same as above	25	25	
MATHEMATICS PERTAINING TO THE USE, MEASUREMENT, AND SHIELDING OF RADIOACTIVE SOURCES	Same as above	25	25	
RADIATION BIOLOGY	Same as above	100	10	
5. EXPERIENCE WITH RADIOACTIVE MATERIALS* (Actual use of radioisotopes or equivalent experience)				
ISOTOPE	MAXIMUM AMOUNT FOR ANY SINGLE APPLICATION	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Cs-137	60 mgm Ra eq	Norfolk General Hospital	24 months	Intracavitary
P-32	15 mCi	Norfolk General Hospital	24 months	Interstitial
I-131	100 mCi	Norfolk General Hospital	24 months	Intracavitary
Ir-192	60 mCi	Norfolk General Hospital	24 months	oral
Au-198	60 mCi	Norfolk General Hospital	24 months	interstitial
			24 months	interstitial
*Experience with sealed radioactive sources under the supervision of qualified instructors should include: 1. Review of initial source calibration and periodic spot check measurements of the energy units. 2. Source calibration of sealed sources other than therapy sources not used for treatment purposes. 3. Calibration of ion chambers and survey meters. 4. Preparation of treatment plans and treatment times for brachytherapy and brachytherapy. 5. Knowledge of appropriate radiation safety, quality control, and emergency procedures for handling and using sealed sources.				
6. CERTIFY THAT THE INFORMATION PRESENTED ABOVE IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF (Signature of user or supervisor) <i>Frederick R. Ellwanger III</i> <i>Elizabeth M. Higgins</i>				
7. TYPE OF PRINTED NAME: Anna M. El-Mahdi, M.D., Sc.D., Program Director/Elizabeth M. Higgins, M.D., Co-Director				
NAME OF INSTITUTION: Eastern Virginia Medical School, Department of Radiation Oncology & Biophysics				
MAILING ADDRESS: 600 Gresham Drive				
CITY: Norfolk		STATE: VA	CERTIFICATE NUMBER: 23507	RADIOACTIVE MATERIALS LICENSE NUMBER: 45-00131-02
WARNING: 18 U.S.C. Section 1001, Act of June 25, 1948, 62 Stat. 719, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States or to any matter within its jurisdiction.				

EXHIBIT C

NRC Form 312T Supplement B
(9-81)

U.S. NUCLEAR REGULATORY COMMISSION

PRECEPTOR STATEMENT

Supplement B must be completed by the applicant physician's preceptor. If more than one preceptor is necessary to document experience, obtain a separate statement from each.

1. APPLICANT PHYSICIAN'S NAME AND ADDRESS		KEY TO COLUMN C PERSONAL PARTICIPATION SHOULD CONSIST OF: 1. Supervised examination of patients to determine the suitability for radioisotope therapy and recommendations on dosage to be prescribed. 2. Collaboration in calculation of radiation dose, related measurement, and modification of the originally prescribed dose as warranted by patient reaction to the radiation. 3. Followup of patients when required. 4. Study and discussion with preceptor of case histories to establish the most appropriate therapy procedures, limitations, contraindications, etc.
FULL NAME		
FREDERICK ROBERT ELLWANGER, III		
STREET ADDRESS		
3013 DUKE OF YORK COURT		
CITY	STATE	ZIP CODE
CHESAPEAKE	VA	23321

2. CLINICAL TRAINING AND EXPERIENCE OF PHYSICIAN CITED ABOVE IN USING SOURCES OR DEVICES FOR THERAPY

ISOTOPE A	TYPES OF TREATMENT B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS (Append additional information, if necessary) D
Co-60	COURSES OF TELETHERAPY	143	
OR	INTERSTITIAL	01	
Ca-137	INTRACAVITARY	46	
I-125 Ir-192 OR Au-198 SEEDS	INTERSTITIAL	06	
Ra-226	INTRACAVITARY	03	
X-RAY AND ACCELERATOR THERAPY	COURSES OF THERAPY TREATMENT	478	
Sr-90	SUPERFICIAL EYE CONDITIONS	01	
OTHER	intracavitary P-32	04	
	oral I-131	04	

DATES AND TOTAL NUMBER OF HOURS IN CLINICAL TRAINING USING SEALED SOURCES FOR THERAPY

September 1983 - January 1985
2880 hours

3. PRECEPTOR'S CERTIFICATION

NAME OF SUPERVISOR	NAME OF INSTITUTION	RADIOACTIVE MATERIALS LICENSE NUMBER
Abbas M. El-Mahdi, M.D., Sc.D.	Eastern Virginia Medical School, Dept.	15-00131-02
Elizabeth M. Higgins, M.D.	of Radiation Oncology & Biophysics	STATE VA ZIP CODE
MAILING ADDRESS		
600 Gresham Drive	Norfolk	23507
I certify that the information presented above is true and correct to the best of my knowledge and belief, and I am a physician with experience in radioactive materials and is qualified to perform the procedures specified above. I further believe that the applicant physician is competent to perform these procedures independently.		
Signature of Preceptor: <i>Abbas M. El-Mahdi</i>		DATE: 9-4-85
WARNING: 18 USC, Section 1001, Act of June 25, 1949, 62 Stat. 749, makes it a criminal offense to make a willfully false statement of representation to any department or agency of the United States as to any matter within its jurisdiction.		



EASTERN VIRGINIA MEDICAL SCHOOL

DEPARTMENT OF RADIATION ONCOLOGY & BIOPHYSICS

600 GRESHAM DRIVE
NORFOLK, VIRGINIA 23507

TELEPHONE (804) 620-3400

ANAS M. EL-MAHDI, M.D., Sc.D.
Professor and Chairman
William J. Peeples, M.D.
Associate Professor
Cornelius C. Turalba, M.D.
Assistant Professor
Elizabeth M. Higgins, M.D.
Assistant Professor
James Shaeffer, Ph.D.
Professor
James Wassum, M.D.
Assistant Professor
Henry Aceto, Ph.D.
Professor
Kenneth L. Carr, B.S.
Research Associate

July 18, 1985

To Whom It May Concern:

RE: Frederick R. Ellwanger, III, M.D.

On July 31, 1985 Dr. Ellwanger completed his required course of residency training leading to eligibility for certification in Radiation Oncology by the American Board of Radiology; he has applied to take the written portion of the certifying examination in October 1985.

His performance of clinical duties throughout the period of training has been thoroughly satisfactory and he has acquitted himself honorably with excellent scores in in-service training examinations in physics, radiobiology and clinical radiation oncology.

Sincerely yours,

Elizabeth M. Higgins, M.D., Co-Director
Anas M. El-Mahdi, M.D., Sc.D., Director

clg

Encl 3

THE BUREAU OF MEDICINE AND SURGERY
★ DEPARTMENT OF THE NAVY ★

ENC 4

DEPARTMENT OF THE NAVY
presents this
CERTIFICATE OF RESIDENCY

LCDR F. R. ELLWANGER III, MC, USNR

upon completion of Residency Training in

PEDIATRICS

from 17 July 1969 *to* 16 July 1971

L. M. Bauer
Surgeon General

Comman.
Commanding Officer
16 July 1971

Commonwealth of Virginia



Board of Medicine

Department of Health Regulatory Boards

This certifies that FREDERICK ROBERT ELLWANGER, III, M.D.

*has fulfilled the requirements as prescribed by law and is hereby
licensed by the Virginia State Board of Medicine to practice*

Medicine and Surgery

*in the Commonwealth of Virginia upon compliance with
applicable provisions of law*

APRIL 7, 19 83

License Number 35237

Edmund L. Kendrick Jr.
PRESIDENT
George Harrell
M.D.
SECRETARY-TREASURER

Durham University

The Faculty and Trustees in recognition of
the successful completion of the course of study
required by the

School of Medicine

have conferred on

Frederick Robert Ellmanger, III

the degree of

Doctor of Medicine

Given at Durham in the State of North Carolina this third day
of June, one thousand nine hundred and sixty-eight.

Wright Lindsey
Chairman of Board of Trustees

W. Stanley
Dean



Dylan Z. Light
President of the University

Rufus H. Powell III
Secretary of the University

The Sub-Board of Pediatric Hematology-Oncology
of the

American Board of Pediatrics

hereby certifies that

H. R. Ellmanger, III, M.D.

has satisfied the requirements of this Sub-Board
as to competency in the specialty of
Pediatric Hematology-Oncology

No. 468

October 10, 1980



Frank A. Sherry
President, American Board of Pediatrics

Frank A. Oski

Chairman, Sub-Board of Pediatric Hematology-Oncology

Amos Conkling
Secretary, American Board of Pediatrics

AMERICAN BOARD

American Board of Pediatrics

hereby certifies that

Frederick Robert Ellwanger, III, M.D.

has successfully fulfilled the requirements of this board
as to competency to practice Pediatrics as a specialty
and is declared a

Diplomate of The American Board of Pediatrics

No. 16332

October 28, 1973



Victor C. Vaughan - M.D.
President

Robert C. Brownlee Jr.
Secretary



We hereby certify that Frederick R. ELLNANGER, III
a graduate of Duke University Medical School
has rendered satisfactory service in each of the various departments as an intern in
this U. S. Naval Hospital, that he has assisted in 19 obstetrical cases and
has delivered 26 cases under supervision; has assisted at 26 surgical
operations in the operating room, administered a general anaesthetic or spinal
133 times; attended 8 autopsies; and has served for the full period of
internship required by this hospital and the American Medical Association from
1 July 1968 to 30 June 1969.

This certifies further that he is of good moral character and has proven himself
worthy of his profession.

MEDICINE AND ITS SPECIALTIES

DEPARTMENT	MONTHS SERVED	SIGNATURE CHIEF OF SERVICE
1. GENERAL MEDICINE	4	<i>[Signature]</i>
2.		
3.		
4.		
5.		

SURGERY AND ITS SPECIALTIES

1. GENERAL SURGERY	2	<i>[Signature]</i>
2. ORTHOPAEDIC SURGERY	1	<i>[Signature]</i>
3. ANESTHESIOLOGY	1	<i>[Signature]</i>
4.		
5.		
1. OBSTETRICS AND GYNECOLOGY	2	<i>[Signature]</i>
1. PEDIATRICS	2	<i>[Signature]</i>
1. ELECTIVE		

REMARKS



SIGNATURE (Sponsoring Officer)

TRACY D. CUTTLE