

PHILIP K. LEE , Ph.D.

CONSULTING RADIATION PHYSICIST
DIAGNOSTIC IMAGING
LAKE OF THE OZARKS GENERAL HOSPITAL
OSAGE BEACH , MO 65065

HOME PHONE [COLUMBIA MO] (573) 445-5275

HOSPITAL PHONE (573) 348-8363

September 30, 1997

Kevin G Null , Acting Chief
U.S. Nuclear Regulatory Commission , Region III
801 Warrenville Rd.
Lisle IL 60532-4351

Dear Mr. Null:

The Lake of The Ozarks General Hospital in accordance with 10 CFR 35.14 is notifying you of an authorized user physician under NRC License 24-18678-01. This notification was initially made by our letter of July 28, 1997. You requested, on September 18, that our letter be resubmitted with a description of the materials that will be used by Dr Sullivan. The licensed materials to be used are now identified in this notification of change of status of physicians at the Lake of the Ozarks General Hospital.

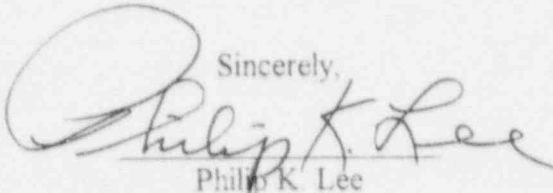
Daniel Thomas Sullivan, M.D. is joining the staff of the Hospital and is the fourth Authorized Physician under the 24-18678 01 license. **Dr. Sullivan is approved by the Radiation Safety Officer (Dr. Smeltzer) and by the Radiation Safety Committee for use of materials to perform diagnostic procedure identified in 10 CFR 35.100 & 35.200 (excluding xenon-133).**

Dr. Sullivan has the required training, experience and credentials to be an authorized user. Documentation of this training and experience are submitted with this notification.

1. Training and experience summaries
2. Copy of ABR certification in Diagnostic Radiology (December 7, 1973)
3. Copy of license 24-20335-01 to Springfield Community Hospital, Springfield MO listing Dan T. Sullivan as an authorized user for materials in Groups I, II, & III and *In vitro* studies.

Thank you for your help in adding Dr. Sullivan as an Authorized Physician User under License 24-18678-01.

Sincerely,


Philip K. Lee

Consulting Radiation Physicist



Copy :

Dr Fred Smeltzer , RSO & Chairman Radiation Safety Committee
Mr. Steven Grotewiel, Director Diagnostic Imaging
Dr Dan T. Sullivan, Authorized Physician User

RECEIVED

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REGION III

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EXHIBIT 2
SUPPLEMENT A

SUPPLEMENT		U.S. NUCLEAR REGULATORY COMMISSION	
TRAINING AND EXPERIENCE AUTHORIZED USER OR RADIATION SAFETY OFFICER			
1. NAME OF PROPOSED AUTHORIZED USER OR RADIATION SAFETY OFFICER <i>DAN T SULLIVAN MD</i>		2. FOR PHYSICIANS, STATE OR TERRITORY WHERE LICENSED <i>MO</i>	
3. CERTIFICATION			
SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C	
<i>Am Bd Radiology</i>	<i>Diagnostic</i>	<i>July 1972</i> <i>December 1973</i> <i>(ABR Certificate)</i>	
4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES			
FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING B	TYPE AND LENGTH OF TRAINING CLOCK HOURS IN LECTURE OR LABORATORY D CLOCK HOURS OF SUPERVISED ON-THE-JOB EXPERIENCE E	
1. RADIATION PHYSICS AND INSTRUMENTATION	<i>Baptist Hospital</i> <i>Ocala City OK</i>	<i>4 MO full time - hrs</i>	
2. RADIATION PROTECTION	<i>Oak Ridge Institute</i> <i>Oak Ridge TN</i>	<i>not specified</i>	
3. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	<i>"</i>	<i>See attached</i> <i>form HEC 313a</i>	
4. RADIATION BIOLOGY	<i>"</i>	<i>& other records</i>	
5. RADIOPHARMACEUTICAL CHEMISTRY	<i>"</i>		
5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)			
ISOTOPE	mCi USED AT ONE TIME	LOCATION	CLOCK HOURS
<i>See training experience records</i>			
<i>Tc 99m</i>	<i>up to 35</i>	<i>COLUMBIA SO (FAR SPRINGFIELD COMMUNITY)</i>	
<i>Tl 201</i>	<i>up to 5</i>	<i>SPRINGFIELD MO</i>	
<i>I 131</i>	<i>up to 15 uR</i>		
<i>Ga 67</i>	<i>up to 10</i>		

UNITED STATES ATOMIC ENERGY COMMISSION
APPLICATION FOR BYPRODUCT MATERIAL LICENSE—MEDICAL
SUPPLEMENT A—PRECEPTOR STATEMENT

This page is to be completed by the applicant physician's preceptor. If more than one preceptor is necessary to document experience, obtain a separate statement from each. Back of page may be used for comments.

9. NAME AND ADDRESS OF APPLICANT PHYSICIAN (Include ZIP Code)

Dan T. Sullivan, M.D.
403 Professional Building
Springfield, Missouri 65806

10. CLINICAL TRAINING AND EXPERIENCE OF PHYSICIAN NAMED IN ITEM 9 ABOVE

(A) ISOTOPE	(B) CONDITIONS DIAGNOSED OR TREATED	(C) No. Cases Observed (See 1 in key below)	(D) No. Cases Involving Persons (See 2 in key below)
I-131	Diagnosis of thyroid function	24 hour uptake	120
	Dilution studies	Fat absorption	4
	Excretion studies	Rose Bengal liver scan	15
	Brain tumor localization		
	Scanning studies	Thyroid	150
	Treatment of hyperthyroidism		110
	Treatment of cardiac conditions		8
P-32 Soluble	Treatment of thyroid carcinoma		
	Treatment of polycythemia		
	Treatment of leukemia		
	Treatment of bone metastases		
	Tumor localization		
Au-198	Intracavitary treatment		
	Interstitial treatment		
	Scanning studies		
Cr-51	Blood determinations		
	Scanning studies		
Co-58 or Co-60	Diagnosis of pernicious anemia	Co-57	
Co-60	Interstitial treatment		
I-192	Intracavitary treatment		
Co-60 or Cs-137	Teletherapy treatment		
Se-90	Treatment of superficial diseases of the eye		
Other Isotopes Use back of page	Tc 99 ^m Brain Scans	200	240
	Tc 99 ^m Liver Scans	200	300
	Tc 99 ^m Cardiac Blood Pool Scans	12	6

Key to Column (C) and (D) above:

- Observation should consist of observing and/or assisting with techniques and procedures with preceptor. The case history is to establish most appropriate diagnostic and/or therapeutic procedure, limitation, contraindications, etc.
- Personal participation should consist of (a) supervised examination of patients to determine the suitability for radiologic diagnosis and/or treatment and recommendation on dosage to be prescribed; (b) collaboration in calculation of the dose and the actual dosimetry on the dose to the patient, including calculation of the radiation dose, related measurements and plotting of data; and (c) adequate period of training to enable the physician to manage radioactive patients and to follow patients through diagnosis and/or the course of treatment.

11. DATES AND TOTAL NUMBER OF HOURS OF CLINICAL RADIOISOTOPE TRAINING (Over)

12. THE TRAINING AND EXPERIENCE INDICATED ABOVE WAS OBTAINED UNDER THE SUPERVISION OF Richard P. Price, M.D.

Richard P. Price, M.D.
Physician and Preceptor

35-11022-01

Richard P. Price, M.D.
Physician and Preceptor

Springfield, Mo.

TRAINING AND EXPERIENCE OF EACH INDIVIDUAL NAMED IN ITEM 4 (Form 210, sheets 14, 200, 2)

TYPE OF TRAINING	WHERE TRAINED	DURATION OF TRAINING	ON THE JOB (Circle)	FORMAL COURSE (Circle)
Principles and practices of radiation protection.....	Two week formal course;		Yes No	Yes No
Radioactivity measurement standardization and monitoring techniques and instruments.....	Oak Ridge Associated Universities and On the job, four months full		Yes No	Yes No
Mathematics and calculations basic to the use and measurement of radioactivity.	time and 22 months part time Baptist Medical Center,		Yes No	Yes No
Biological effects of radiation.....	Oklahoma City, Oklahoma		Yes No	Yes No

EXPERIENCE WITH RADIATION. (Actual use of radiological or equivalent experience.)

STATE MAXIMUM AMOUNT WHERE EXPERIENCE WAS GAINED EDUCATION OF EXPERIENCE TYPE OF USE

131	10 microcuries	Baptist Medical Center Oklahoma City, Oklahoma	26 months	Thyroid uptake
131	25 "	"	" "	and absorption
131	300 "	"	" "	Rose Bengal liver
131	200 "	"	" "	Pulmonary perfusion
131	20 "	"	" "	Renogram
131	5 "	"	" "	Blood volume
57	0.5 microcuries	"	" "	Schilling Test
99m	10 millicuries	"	" "	Grain scan
99m	2 "	"	" "	Liver scan
99m	4 "	"	" "	Cardiac blood pool scan
99m	1000 microcuries	"	" "	Placenta localization
99m	10 millicuries	"	" "	Dynamic renal scan
197	100 microcuries	"	" "	Renal scan
59	4 microcuries	"	" "	Ferrokinetics
85	100 microcuries	"	" "	Bone scan

APPLICATION FOR BYPRODUCT MATERIAL LICENSE—MEDICAL
SUPPLEMENT A—HUMAN USE

Page 4

This page may be used for providing additional information.

OTHER ISOTOPES, CONTINUEDOBSERVEDPERSONAL

Tc ^{99m} Placental Scan	1	2
I ¹³¹ HSA Lung Scan	200	120
T3 and T4 Tests	10	30
RISA Blood Volume	50	350
Fe ⁵⁹ Iron Metabolism	1	2
Tc ^{99m} Dynamic Renal Scan	1	4
Hg ¹⁹⁷ Renal Scan	40	20
I ¹³¹ Renogram	40	20
Sr ⁸⁵ Bone Scan	6	4

Full time in Nuclear Medicine Department from Nov. 1, 1971 to March 1, 1972.

Observed and discussed various cases from April, 1970 to July 1972.

Attended basic course at Oak Ridge Tennessee in 1972 (2 weeks).

The American Board of Radiology

Organized through the cooperation of the
American College of Radiology, the American Roentgen Ray Society,
the American Radium Society, the Radiological Society of North America
and the Section on Radiology of the American Medical Association
Hereby certifies that

Daniel Thomas Sullivan, M.D.

Has pursued an accepted course of graduate study
as a clinical work, has met certain standards and qualifications and
has passed the examinations conducted under the authority of

The American Board of Radiology

On this seventh day of December, 1973

Thereby demonstrating to the satisfaction of the Board
that he is qualified to practice the specialty of

Diagnostic Radiology

Ralph W. Leach
President

C Allen Good
Secretary

