

PUBLIC

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

October 8, 1996

Materials Licensing Section

U.S. Nuclear Regulatory Commission, Region III

801 Warrenville Rd.

Lisle, IL 60532-4351

BH
10-23-96

Dear Section Chief :

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. The Hospital initially furnished this notification as an amendment request but was informed of the provisions of 35.14.

Dr. Keith W. Williams is joining the staff of the Hospital and will be the third Authorized Physician under the 24-18678 01 license. Dr. Williams has been approved by the Radiation Safety Officer (Dr. Smeltzer) and by the Radiation Safety Committee to perform those diagnostic procedures presently allowed under the license conditions (any radiopharmaceutical identified in 10 CFR 35.100 & 35.200 excluding xeon-133).

Dr Williams 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 summary
2. Copy of ABR certification in diagnostic radiology (November 1992)
3. Copy of license 24-01090-3 to St. John's Regional Medical Center in Joplin, MO listing John Keith K. Williams, M.D. as an authorized user for material in 10 CFR 100 & 200.
4. Copy of Authorization 00911 under NRC License 24-00513-32 at the University of Missouri issued to John K. Williams, M.D. for 10 CFR 100 & 200 uses.

Sincerely,

Philip K. Lee

Philip K. Lee, Ph.D.
Consulting Radiation Physicist

RECEIVED

OCT 15 1996

REGION III

9610290060 961008
PDR ADOCK 03014028
C PDR

Copy : Dr Fred Smeltzer, RSO & Chairman Radiation Safety Committee
Mr. Steven Grotewiel, Director Diagnostic Imaging

Steven Grotewiel

pm: 10-9-96

OCT 15 1996

P.K. LEE OZN1096 WPS

ml
31 BH

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

John Keith Williams M.D.

2. FOR PHYSICIANS, STATE OR TERRITORY WHERE LICENSED

Missouri

3. CERTIFICATION

SPECIALTY BOARD
ACATEGORY
BMONTH AND YEAR CERTIFIED
CAmerican Board of
Radiology

Diagnostic Radiology

November 1992

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	CLOCK HOURS OF SUPERVISED ON-THE-JOB EXPERIENCE
a. RADIATION PHYSICS AND INSTRUMENTATION	University of Missouri Radiology Resident Training (6/30/87 - 6/91)	OK	OK
b. RADIATION PROTECTION	with six months of Clinical Nuclear Medicine at University Hospital and Clinics and the Harry S Truman VA Hospital under	OK	OK
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	Dr Holmes and others as preceptors,	OK	OK
d. RADIATION BIOLOGY	Completed Residence Program.	OK	OK

5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)

ISOTOPE	mCi USED AT ONE TIME	LOCATION	CLOCK HOURS	TYPE OF USE
Medical	~ 100	University of Missouri Radiology Resident	6 months	Human Use
Medical	~ 100	St. Johns Hospital Joplin Mo	7/91 - 6/94 ~ 3 years	Human Use
Medical	~ 100	University of Missouri Staff Radiologist	7/94 - Present	Human Use

Authorized by Permit 911 of License 24-0051333
for diagnostic uses of radioisotopes (attached)

The American Board of Radiology

It is the purpose of the American Board of Radiology to establish and maintain the highest standards of competence and integrity in the profession of radiology. To this end, the Board has established a rigorous process of certification and recertification, which requires the radiologist to demonstrate a high level of knowledge and skill in the field of radiology. The Board also maintains a strict code of ethics, which requires the radiologist to act in the best interests of the patient and to maintain the highest standards of professional conduct. The American Board of Radiology is committed to the continuous improvement of the radiology profession and to the advancement of the science of radiology.

John Keith Williams, M.D.

Dr. Williams is a board certified radiologist and has been a member of the American Board of Radiology since 1992. He is currently practicing radiology at the University of California, Los Angeles, where he is also an associate professor of radiology. Dr. Williams has a long and distinguished career in radiology and has been involved in many of the most important developments in the field.

On this ninth day of November, 1992

It is the purpose of the American Board of Radiology to establish and maintain the highest standards of competence and integrity in the profession of radiology. To this end, the Board has established a rigorous process of certification and recertification, which requires the radiologist to demonstrate a high level of knowledge and skill in the field of radiology. The Board also maintains a strict code of ethics, which requires the radiologist to act in the best interests of the patient and to maintain the highest standards of professional conduct. The American Board of Radiology is committed to the continuous improvement of the radiology profession and to the advancement of the science of radiology.

Diagnostic Radiology

For more information, please contact the American Board of Radiology at 1900 L Street, N.W., Washington, D.C. 20036. Telephone: (202) 462-1000. Fax: (202) 462-1001.



The American Board of Radiology

John Keith Williams, M.D.

President, American Board of Radiology

On this ninth day of November, 1992

Diagnostic Radiology

For Record and File



UNIVERSITY OF MISSOURI

AUTHORIZATION FOR POSSESSION AND USE OF RADIOACTIVE MATERIALS

Pursuant to the conditions of the licenses issued by the U.S. Nuclear Regulatory Commission, the rules and regulations published in 10 CFR 19, 20 and 35 and the rules and regulations in the "Radiation Safety Manual", University of Missouri-Columbia, a permit is hereby issued to authorize the applicant to receive, acquire, possess and transfer the radioactive materials identified and to use such materials for the designated purpose. The authorized user shall conform to the recommendations of the "Radiation Safety Manual" specifically: to provide a safe work place and radiation safety training for personnel; maintain inventory of receipt, use and disposal of materials; document required surveys; and provide secure storage for all radioactive materials possessed under this authorization.

Authorization No: 00911
 Expiration Date: 04/30/99
 Initial Risk Classification: Co-Auth. Secondary User

Amendment No: 0000
 NRC License No: 24-00513-32
 or license no:

1. Authorized User: John K. Williams, M.D.

2. Department: NUCLEAR MEDICINE

Office Telephone: 882-1026

Lab Telephone: 882-7955

3. Office Address: University Hospital & Clinics
 DC069.10

Fax: 884-5557

E-Mail:

4. Radioactive Material

5. Form

6. Purchase / Possession Limit / Primary User

W	Am-241	Sealed Sources	0.00 mCi	0.00 mCi	10549
X	Am-241	Sealed Sources	0.00 mCi	0.00 mCi	00549
F	Ba-133	Sealed Sources	0.00 mCi	0.00 mCi	00549
A	C-14	Any Form	0.00 mCi	0.00 mCi	00549
B	C-14	Any Form	0.00 mCi	0.00 mCi	00549
SR	Co-57	Sealed Sources	0.00 mCi	0.00 mCi	00549
A	Co-58	Any Form	0.00 mCi	0.00 mCi	00549
B	Co-58	Any Form	0.00 mCi	0.00 mCi	00549
A	Cr-51	Any Form	0.00 mCi	0.00 mCi	00549
B	Cr-51	Any Form	0.00 mCi	0.00 mCi	00549
F	Cs-137	Sealed Sources	0.00 mCi	0.00 mCi	00549
SR	Ga-67	Any Form	0.00 mCi	0.00 mCi	00549
SR	I-123	Any Form	0.00 mCi	0.00 mCi	00549
A	I-125	Any Form	0.00 mCi	0.00 mCi	00549
B	I-125	Any Form	0.00 mCi	0.00 mCi	00549
B	I-131	Any Form	0.00 mCi	0.00 mCi	00549
SR	In-111	Any Form	0.00 mCi	0.00 mCi	00549
A	Mo/Tc-99m	Generator	0.00 mCi	0.00 mCi	00549
B	Mo/Tc-99m	Generator	0.00 mCi	0.00 mCi	00549
A	Tc-99m	Any Form	0.00 mCi	0.00 mCi	00549
B	Tc-99m	Any Form	0.00 mCi	0.00 mCi	00549
SR	Tl-201	Any Form	0.00 mCi	0.00 mCi	00549

7. Location of Use (Room Description, Building Name):

For the Radiation Safety Committee

05/31/96
 Date

Susan M. Langhorst
 Susan M. Langhorst, Ph.D., CHP, Radiation Safety Officer

EHS/RSO 2 (06/95)

UNIVERSITY OF MISSOURI
AUTHORIZATION FOR POSSESSION AND USE OF RADIOACTIVE MATERIALS
For: JOHN K WILLIAMS (00911)

8. Approved Use:

Medical use of type 10 CFR 35.100 and 10 CFR 35.200 (diagnostic nuclear medicine procedures only) in Nuclear Medicine Services at the Health Science Center. This form lists all current authorizations in accordance with the following: New application dated 5/23/96 and approved on 5/31/96 by A. Singh, RSC Associate Chair.

Authorization is approved as a Secondary User under Primary User Amolak Singh, M.D. (#549). Isotopes listed above are included in the possession limits for the Primary User.

9. Special Conditions:

This Authorization applies to Diagnostic Nuclear Medicine operations only at EFCC. NO NUCLEAR MEDICINE THERAPY PROCEDURES ARE APPROVED FOR THIS SECONDARY AUTHORIZATION. See Authorization #10911 for Dr. Williams' approved use at EFCC.

See Amolak Singh Authorization (#549) for additional special conditions established for this Co-Authorization.

For the Radiation Safety Committee

Susan M. Langhorst

Susan M. Langhorst, Ph.D., CHP Radiation Safety Officer

05/31/96
Date

EHS/RSO 2 (06/95)

MATERIALS LICENSE

Amendment No. 20

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 39, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		
1. <u>St. John's Regional Medical Center</u>	In accordance with application dated March 23, 1993	
2. 2727 McClelland Boulevard Joplin, MO 64801	3. License number 24-01090-03 is renewed in its entirety to read as follows:	
	4. Expiration date June 30, 1998	
	5. Docket or Reference No 030-12728	
6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Any byproduct material identified in 10 CFR 35.100	A. Any radiopharmaceutical identified in 10 CFR 35.100	A. As needed
B. Any byproduct material identified in 10 CFR 35.200	B. Any radiopharmaceutical identified in 10 CFR 35.200	B. As needed
C. Any byproduct material identified in 10 CFR 35.300	C. Any radiopharmaceutical identified in 10 CFR 35.300	C. As needed
D. Any byproduct material identified in 10 CFR 35.400	D. Any brachytherapy source identified in 10 CFR 35.400	D. As needed
9. Authorized Use:		
A. Medical use described in 10 CFR 35.100.		
B. Medical use described in 10 CFR 35.200.		
C. Medical use described in 10 CFR 35.300.		

4308170250

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

24-01090-03

Docket or Reference number

030-12728

Amendment No. 20

9. Authorized Use (Continued)

D. Medical use described in 10 CFR 35.400.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 2727 McClelland Boulevard, Joplin, Missouri.
11. Radiation Safety Officer: Jennifer Hann
12. Authorized Users:
- A. Jose Maria Pacheco-Gil, M.D., for material in 10 CFR 35.300 and 35.400.
 - B. Jeffrey Francis Schaffer, M.D., for material in 10 CFR 35.100 and 34.200.
 - C. Tom Fielder, M.D., for material in 10 CFR 100 and 35.200.
 - D. Duane Eugene Myers, M.D., for material in 10 CFR 35.300 and 35.400.
 - E. Jeffrey Louis Shore, M.D., for material in 10 CFR 35.100 and 35.200.
 - F. John Keith Williams, M.D., for material in 10 CFR 35.100 and 35.200.
 - G. Douglas W. Ditzel, M.D., for material in 10 CFR 35.300 and 35.400.
13. The licensee shall maintain records of information related to decommissioning at item 2 as specified in 10 CFR 30.35(g) until this license is terminated by the Commission.
14. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below, except for minor changes in the medical use radiation safety procedures as provided in 10 CFR 35.31. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

24-01090-03

Docket or Reference number

030-12728

Amendment No. 20

14. (Continued)

A. Application dated March 23, 1993.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date

June 28, 1993

By

Peter J. Lee
Materials Licensing Section, Region III

DATE: 10-16-96

CORRESPONDENCE CLARIFICATION SHEET

REVIEWER:

BJ HOLT *[Signature]*

LICENSEE:

LAKE OF THE OZARKS

LICENSE NUMBER:

24-18678-01

The following correspondence has been received from the above licensee and it is not clear what action(s) is(are) required: Please review this correspondence and indicate which of the following applies, and please return to Debbie Hersey, as soon as possible.

☐ Additional Information to Control No. _____.
Process in as a new action, additional information, and no fee required.

☐ Process as new licensing action. Review has already been started on Control No. _____ and this information cannot be combined with current in-house action.

☐ Can be combined with Control No. _____. Review has not started.

☐ Appears to be information for the license file - file it.

☐ Licensee is adding Nuclear Pharmacists.

☐ Amendment is necessary _____. Amendment is not necessary _____.
(Information for license file)

☒ Licensee is adding authorized users.

☒ A check is included _____. No check is included ☒.

Amendment is necessary _____. Amendment is not necessary ☒.
(This is a Notification)

☐ Process in as a new licensing action:

A. Amendment _____

B. Renewal _____

C. New License Application _____

☐ Other: _____

Thank You For Your Help!!!

10/16/96