

MATERIALS LICENSE

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. St. Mary's Hospital Medical Center
2. 707 South Mills Street
Madison, WI 53715

In accordance with letter dated
August 4, 1992

3. License number 48-00919-03 is amended in its entirety to read as follows:

4. Expiration date September 30, 1997

5. Docket or Reference No. 030-03413

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

As needed

D. Any byproduct material identified in 10 CFR 35.500

D. Sealed sources identified in 10 CFR 35.500

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.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number
48-00919-03

Docket or Reference number
030-03413

Amendment No. 28

9. Authorized Use (Continued)

- D. Medical use described in 10 CFR 35.500 in devices which have been evaluated and approved for licensing purposes by the U.S. Nuclear Regulatory Commission or an Agreement State.

CONDITIONS

10. Location of Use: 707 South Mills Street, Madison, Wisconsin.

11. Radiation Safety Officer: Richard Lindgren, M.D.

12. Authorized Users:

- A. Richard Lindgren, M.D., for material in 10 CFR 35.100, 35.200, 35.300 and 35.500.
- B. Stephen Dudlak, M.D., for material in 10 CFR 35.100, 35.200 and 35.300 and 35.500.
- C. George F. Roggensack, M.D., for material in 10 CFR 35.100, 35.200, 35.300 and 35.500.
- D. Ivan Knezevic, M.D., for material in 10 CFR 35.100, 35.200, 35.300 and 35.500.
- E. Tamnit Ansusinha, M.D., for material in 10 CFR 35.100, 35.200, 35.300 and 35.500.
- F. Michael J. Cullenward, M.D., for material in 10 CFR 35.100, 35.200, 35.300 and 35.500.
- G. Douglas Andrews, M.D., for material in 10 CFR 35.100, 35.200, 35.300 and 35.500.
- H. Mark F. Rich, M.D., for material in 10 CFR 35.100, 35.200, 35.500 and 35.500.
- I. Julie Kampen Mitby, J.D., M.D., for material in 10 CFR 35.100 and 35.200.

13. Pursuant to Title 10, Chapter 1, Code of Federal Regulations, Part 40, "Domestic Licensing of Source Material," the licensee is authorized to possess, use, transfer, and import up to 999 kilograms of depleted uranium contained as shielding material in the molybdenum-99/technetium-99m generators authorized by this license.
14. The licensee shall maintain records of information important to safe and effective decommissioning at 707 South Mills Street, Madison, Wisconsin per the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.

COPY

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number
48-00919-03

Docket or Reference number
030-03413

Amendment No. 28

15. This license is based on the licensee's statements and representations listed below:
- A. Application dated May 22, 1990; and
 - B. Letter dated September 17, 1990.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date SEP 14 1992

By Patricia M. Vachon
Materials Licensing Section, Region III

COPY

(FOR LPMS USE)
INFORMATION FROM LFS

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

PROGRAM CODE: 02120
STATUS CODE: 0
FEE CATEGORY: 7C
EXP. DATE: 19951231
FEE COMMENTS:
DECOM FIN ASSUR RECDT N
|||||

LICENSE FEE TRANSMITTAL

A. REGION III

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: ST. MARY'S HOSPITAL MEDICAL CTR.
RECEIVED DATE: 920812
DOCKET NO: 3003413
CONTROL NO.: 393831
LICENSE NO.: 48-00919-03
ACTION TYPE: AMENDMENT

2. FEE ATTACHED
AMOUNT: \$430.00
CHECK NO.: 152209

3. COMMENTS

SIGNED P. Liddell
DATE 8-23-92

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED ✓)

1. FEE CATEGORY AND AMOUNT: 7C \$430.00

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:
AMENDMENT ✓
RENEWAL _____
LICENSE _____

3. OTHER _____

SIGNED Rita Jacques
DATE 8/27/92

RECEIVED

AUG 20 1992

REGION III

ST. MARY'S MEDICAL CENTER
707 South Mills Street
Madison, WI 53715

August 4, 1992

Materials Licensing Section
U.S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Re: Amendment to Materials License No. 48-00919-03:

Gentlemen:

This is a request for an amendment to the above-referenced materials license to add the names of Julie Mith, M.D. and Mark F. Rich, M.D., as authorized users for nuclear medicine procedures. Their nuclear medicine credentials are enclosed. Please authorize them for all of the nuclear medicine coverage for which they are eligible.

Our \$430 hospital check, payable to the "U.S. Nuclear Regulatory Commission", is enclosed, to cover the amendment application processing fee.

Sincerely,

Harold Lefter
Administrator

cc: Warren Sterken, Supervisor,
Nuclear Medicine Department

Log *Aug 9 III*
Remitter
Check No. *133209*
Amount *430*
Fee Category *MC*
Type of Fee *amt*
Date Check Rec'd. *8/17*
Date Completed *8/17*
By *Ry*

RECEIVED

AUG 12 1992

REGION III

AUG 12 1992

CONTROL NO.

93831

PM 8/11/92

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>MARK F. RICH, MD</i>		2. FOR PHYSICIANS, STATE OR TERRITORY WHERE LICENSED <i>WI, IA</i>	
3. CERTIFICATION			
SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C	
<i>AMERICAN BOARD OF RADIOLOGY</i>	<i>BOARD ELIGIBLE</i>	<i>Pending</i>	
4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES			
FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING B	7. TIME AND LENGTH OF TRAINING	
		CLOCK HOURS IN LECTURE OR LABORATORY	CLOCK HOURS OF SUPERVISED ON-THE-JOB EXPERIENCE
a. RADIATION PHYSICS AND INSTRUMENTATION	<i>UNIVERSITY OF IOWA HOSPITALS AND CLINICS IOWA CITY, IA</i>	<i>105</i>	
b. RADIATION PROTECTION	<i>7/88 - 6/92 (6 MONTHS DURING THIS 4 YEAR PERIOD)</i>	<i>30</i>	
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	<i>"</i>	<i>20</i>	
d. RADIATION BIOLOGY	<i>"</i>	<i>20</i>	
e. RADIOPHARMACEUTICAL CHEMISTRY	<i>"</i>	<i>35</i>	
5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)			
ISOTOPE	mCi USED AT ONE TIME	LOCATION	CLOCK HOURS
			TYPE OF USE

EXHIBIT 3
SUPPLEMENT B

SUPPLEMENT	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, add in a separate statement from each.

1. PROPOSED PHYSICIAN USER'S NAME AND ADDRESS FULL NAME <u>MARK FREDERICK RICH</u> STREET ADDRESS <u>2914 OXFORD ROAD</u> CITY <u>MADISON</u> STATE <u>WI</u> ZIP CODE <u>53705</u>	KEY TO COLUMN C PERSONAL PARTICIPATION SHOULD CONSIST OF: 1-Supervised examination of patients to determine the suitability for radionuclide diagnosis and/or treatment and recommendation for prescribed dosage. 2-Collaboration in dose calibration and actual administration of dose to the patient including calculation of the radiation dose, related measurements and plotting of data. 3-Adequate period of training to enable physician to manage radioactive patients and follow patients through diagnosis and/or course of treatment.
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2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN

ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS (Additional information or comments may be submitted in duplicate on separate sheets) D
	Thyroid scan	40	
	Thyroid uptake	23	
	Lung perfusion scan	266	
	Xenon ventilation study	216	
	Aerosol ventilation scan	1	
	Renal flow scan	258	
	Brain scan	61	
	Liver/spleen scan	7	
	Bone scan	595	
	Gastroesophageal study	2	
	LeVeen shunt study	2	
	Cystogram	75	
	Decryocystogram	2	
	Cardiac perfusion scan.	228	
	Cardiac stress ventriculogram.	71	
	Cardiac rest ventriculogram	715	
	Gallium scan	9	
	GI BLEED	22	
	IRONIA-WBC	83	
	SCHILLING'S	30	
	GASTRIC EMPTYING	82	
	HEPATOBIILIARY IMAGING	89	
	TESTICULAR IMAGING	6	
	BONE MARROW IMAGING	18	

EXH-6

CONTROL NO.

93831

EXHIBIT 3 (Continued)

PROPOSED PHYSICIAN USER

MARK FREDERICK RICH

PRECEPTOR STATEMENT (Continued)

2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN (Continued)

ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS (Additional information or comments may be submitted in duplicate on separate sheets.) D
P-32 (Sodium)	TREATMENT OF POLYCYTHEMIA VERA, LEUKEMIA, AND BONE METASTASES	0	
P-32 (Calcium)	INTRACAVITARY TREATMENT	0	
I-131	TREATMENT OF THYROID CARCINOMA	7	
	TREATMENT OF HYPERTHYROIDISM	31	
Au-198	INTRACAVITARY TREATMENT	0	
Co-60 or Cs-137	INTERSTITIAL TREATMENT	0	
	INTRACAVITARY TREATMENT	0	
I-125 or Ir-192	INTERSTITIAL TREATMENT	0	
Co-60 or Cs-137	TELE THERAPY TREATMENT	0	
Sr-90	TREATMENT OF EYE DISEASE	0	
	RADIOPHARMACEUTICAL PREPARATION		
Mo-99/ Tc-99m	GENERATOR	5 hours	
Sn-113/ In-113m	GENERATOR	0	
Tc-99m	REAGENT KITS	5 hours	
Other			

3. DATES AND TOTAL NUMBER OF HOURS RECEIVED IN CLINICAL RADIOISOTOPE TRAINING

LOCATION	DATES	CLOCK HOURS OF EXPERIENCE
UNIVERSITY OF IOWA HOSPITALS AND CLINICS, IOWA CITY, IA	11/88 4/92 11/89 6/92 4/90 3/92	~1000

4. THE TRAINING AND EXPERIENCE INDICATED ABOVE WAS OBTAINED UNDER THE SUPERVISION OF:

Peter T. Kirchner, M.D.
Director, Div. of Nuclear Medicine
Department of Radiology
The University of Iowa Hospitals
Iowa City, IA 52242

5. PRECEPTOR'S SIGNATURE

Peter T. Kirchner

7. PRECEPTOR'S NAME (Please type or print)

PETER T. KIRCHNER

8. DATE

6/25/92

6. MATERIALS LICENSE NUMBER(S)

0037-1-52-A4B

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,
the Section on Radiology of the American Medical Association,
the American Society for Therapeutic Radiology and Oncology,
and the Association of University Radiologists

Thereby certifies that

Julie Kampen Witby, J.D., M.D.

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

The American Board of Radiology

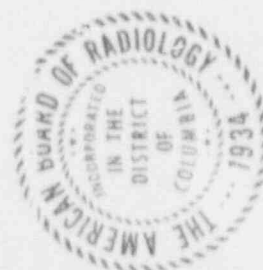
On this seventh day of June, 1930

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

Diagnostic Radiology

Robert G. Larnor
President

Samuel P. Hollister, M.D.
Secretary



SEP 16 1992

St. Mary's Hospital Medical Center
ATTN: Gerald Lefert
President
707 South Mills Street
Madison, WI 53715

Dear Mr. Lefert:

Enclosed is Amendment No. 28 to your NRC License No. 48-00919-03 in accordance with your request.

Please review the enclosed document carefully and be sure that you understand all conditions. You must conduct your program involving radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Possess radioactive material only in the quantity and form indicated in your license.
3. Use radioactive material only for the purpose(s) indicated in your license.
4. Notify NRC in writing of any change in mailing address.
5. Request and obtain appropriate amendment if you plan to change ownership of your organization, change locations of radioactive material, or make any other changes in your facility or program which are contrary to your license conditions or representations made in your license application and any supplemental correspondence with NRC. Any amendment request should be accompanied by the appropriate fee specified in 10 CFR Part 170.
6. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date on your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of radioactive material after your license expires is a violation of NRC regulations.
7. Request termination of your license if you plan to permanently discontinue activities involving radioactive material prior to your expiration date.

93831

SEP 16 1992

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations in your license application will result in enforcement action against you in accordance with the General Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C.

If you have any questions or require clarification of any of the above stated information, contact us at (708) 790-5625.

Sincerely,

Original Signed By
Patricia M. Vacherlon
Materials Licensing Section

Enclosure: Amendment No. 28

R111

Vacherlon/dg
09/14/92