

Rec'd at  
2/4/97

48-10219-01

VOID SHEET

TO: License Fee Management Branch

FROM:

Hidet WATSON

SUBJECT: VOIDED APPLICATION

Control Number: 398438

Applicant: H. Elizabeth Hospital

Date Voided: 4/28/95

Reason for Void: \_\_\_\_\_

Action will be combined w/ sending  
renewal. VOIDED BEFORE REVIEW!  
Recommend fee be returned to licensee.

Hidet WATSON 4/28/95  
Signature Date

Attachment:  
Official Record Copy of  
Voided Action

FOR LFMB USE ONLY

Final Review of VOID Completed:

- ☒ Refund Authorized and processed  
☒ No Refund Due  
☐ Fee Exempt or Fee Not Required



Comments: After Review

110077

9704140067 950428  
PDR ADOCK 03003466  
C PDR

Log completed

Processed by:



2/5/97

0/1  
ML  
30  
50

(FOR LFMS USE)  
INFORMATION FROM LTS

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM  
AND  
REGIONAL LICENSING SECTIONS

PROGRAM CODE: 02230  
STATUS CODE: 2  
FEE CATEGORY: 7C 2B  
EXP. DATE: 19940630  
FEE COMMENTS: CODE 21  
DECOM FIN ASSUR REQ: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED  
APPLICANT/LICENSEE: ST. ELIZABETH HOSPITAL  
RECEIVED DATE: 950414  
DOCKET NO: 3003466  
CONTROL NO: 398438  
LICENSE NO: 48-10219-01  
ACTION TYPE: AMENDMENT

2. FEE ATTACHED  
AMOUNT: 500  
CHECK NO: 304092

3. COMMENTS

SIGNED  
DATE

*James Bell*  
4-14-95

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

1. FEE CATEGORY AND AMOUNT: 7C \$500.00

2. CORRECT FEE PAID: APPLICATION MAY BE PROCESSED FOR:  
AMENDMENT ☒  
RENEWAL \_\_\_\_\_  
LICENSE \_\_\_\_\_

3. OTHER \_\_\_\_\_

SIGNED  
DATE

SC 4/19/95

RECEIVED  
APR 25 1995  
REGION III

APR 17 PM 1:22

1506 South Oneida Street  
Appleton, Wisconsin 54915  
(414) 738-2000 fax: (414) 738-0949

## St. Elizabeth Hospital

March 31, 1995



United States Nuclear Regulatory Commission  
Region III  
801 Warrenville Road  
Lisle, Illinois 60532-4351

License No. 48-10219-01

Dear Medical License Reviewer:

St. Elizabeth Hospital requests an amendment to our current byproduct material license to add Stephen M. Brink, MD as an authorized user for material in 35.100, 35.200, and 35.300. Enclosed is a copy of his preceptor statement.

St. Elizabeth Hospital also desires amending its high dose remote afterloading possession limits from the existing condition of two sources at 10 Curies each, to two sources at 12 Curies each. The source will not be installed for clinical use with an activity greater than 10 Curies  $\pm 5\%$ .

Please contact Stanley A. Reed (414-738-2190) about questions concerning these requests.

Respectfully submitted,

Otto L. Cox  
President/CEO Affinity Health System, Inc.

Stanley A. Reed, MS  
Medical Physicist, RSO

SARmm  
Enclosure

Log	APR 15 III
Remitter	
Check No.	304092
Amount	\$500
F a Category	CC 2B
Type of Fee	Amendment
Date Check Rec'd	4-17-95
Date Completed	4-19-95
By:	SC

APR 14 1995

RECEIVED

APR 14 1995

REGION III

398438

a Member of the Wheaton Franciscan System

1506 South Oneida Street  
Appleton, Wisconsin 54915  
(414) 738-2000 fax: (414) 738-0949

## St. Elizabeth Hospital

April 7, 1995



United States Nuclear Regulatory Commission  
Region III  
801 Warrenville Road  
Lisle, IL 60532-4351

License No. 48-10219-01      St. Elizabeth Hospital, Appleton, WI  
License No. 48-07937-01      Mercy Medical Center, Oshkosh, WI

Dear Medical License Reviewer:

In addition to the changes described on the cover page St. Elizabeth Hospital and Mercy Medical Center desire the ability to transfer and use reference and calibration sources at both facilities. All sources would be transferred by an authorized radiation safety officer, qualified medical physicist or nuclear medicine technologist. The transportation of radioactive material would follow current Department of Transportation regulations. Attached is our proposed policy for interhospital transportation of radioactive materials (see Attachment 10.7.4 and 10.7.5). Only limited quantities or less as specified in §173.423 would be transported and packaged in accordance with §173.421, §173.421-1, and §173.421-2.

Please contact Stanley A. Reed, MS, Medical Physicist if there are questions concerning this amendment request.

Sincerely,

*Stanley A. Reed*

Stanley A. Reed, MS, Medical Physicist

SARmmmm



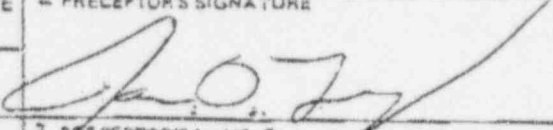
EXHIBIT 2  
SUPPLEMENT A

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 Stephen M. Brink, M.D.		2. FOR PHYSICIANS, STATE OR TERRITORY WHERE LICENSED Wisconsin Nebraska	
3. CERTIFICATION			
SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C	
Diagnostic Radiology		Board Eligible Passed writtens	
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
e. RADIATION PHYSICS AND INSTRUMENTATION	Creighton University Radiology Program July 1, 1990 - June 30, 1994	100	640 total
f. RADIATION PROTECTION	Creighton University Radiology Program July 1, 1990 - June 30, 1994	30	640
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	Creighton University Radiology Program July 1, 1990 - June 30, 1994	20	640
d. RADIATION BIOLOGY	Creighton University Radiology Program July 1, 1990 - June 30, 1994	20	640
e. RADIOPHARMACEUTICAL CHEMISTRY	Creighton University Radiology Program July 1, 1990 - June 30, 1994	30	640
5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)			
ISOTOPE	mCi USED AT ONE TIME	LOCATION	CLOCK HOURS
Tc-99m	100	St. Joseph Hospital	640
I-131	150	" " "	640
SR-89	10	" " "	640
			TYPE OF USE
			Nuclear Medicine
			Nuclear Medicine
			Nuclear Medicine

EXHIBIT 3  
SUPPLEMENT B

[illegible]

## EXHIBIT 3 (Continued)

PROPOSED PHYSICIAN USER Stephen M. Brink, M.D.			
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 (Colloid)	TREATMENT OF POLYCYTHEMIA VERA, LEUKEMIA, AND BONE METASTASES		
P-32 (Colloid)	INTRACAVITARY TREATMENT		
I-131	TREATMENT OF THYROID CARCINOMA	5	
	TREATMENT OF HYPERTHYROIDISM	16	
Au-198	INTRACAVITARY TREATMENT		
Co-60 or Cs-137	INTERSTITIAL TREATMENT		
	INTRACAVITARY TREATMENT		
I-125 or Ir-192	INTERSTITIAL TREATMENT		
Co-60 or Cs-137	TELETHERAPY TREATMENT		
Sr-90	TREATMENT OF EYE DISEASE		
	RADIOPHARMACEUTICAL PREPARATION		
Mo-99/ Tc-99m	GENERATOR		
Sr-113/ In-113m	GENERATOR		
Tc-99m	REAGENT KITS		
Other			
Sr89Cl	Treatment of Bone Metastasis	3	
3. DATES AND TOTAL NUMBER OF HOURS RECEIVED IN CLINICAL RADIOISOTOPE TRAINING			
LOCATION		DATES	CLOCK HOURS OF EXPERIENCE
Creighton University Radiology Program		7/1/90 - 6/30/94	640
4. THE TRAINING AND EXPERIENCE INDICATED ABOVE WAS OBTAINED UNDER THE SUPERVISION OF:		5. PRECEPTOR'S SIGNATURE	
a. NAME OF SUPERVISOR			
Dr. John D. Terry			
b. NAME OF INSTITUTION		7. PRECEPTOR'S NAME (Please type or print)	
Creighton University/St. Joseph Hosp.		John D. Terry, M.D.	
c. MAILING ADDRESS		Vice Chairman, Department of Radiology	
601 N. 30th St.		8. DATE	
d. CITY		3/30/95	
Omaha, NE 68131			
e. MATERIALS LICENSE NUMBER(S)			
01-05-01			

Initiator/Date		Effective Date	Supersedes	Index
Stan Reed      April 1995		April 1995		725-501-17
Required Approval By:	(X)	Signature and Date		Review Date
Department Director				
Division Head				
Management Staff				
Medical Advisor				
Med. Staff Exec. Comm.				
President				
Board of Directors				
SUBJECT: INTERHOSPITAL TRANSPORTATION OF NUCLEAR REGULATORY COMMISSION CONTROLLED ISOTOPES				

POLICY:

Reference and calibration radioactive sources may be transported between St. Elizabeth Hospital and Mercy Medical Center providing the following procedure is followed and current Nuclear Regulatory Commission and Department of Transportation regulations are met.

PURPOSE:

To allow proper transport of limited quantities of radioactive material which can be effectively used for testing purposes without duplication of the number of sources.

GENERAL INFORMATION:

<u>Isotope</u>	<u>Maximum Quantity (mCi) That Can Be Transported Per Package</u>
Iodine-125	7 (mCi)
Iodine-131	1 (mCi)
Co-60, Ba-133, Cs-137 (calibration, reference sources) solid form	7 (mCi)

PROCEDURE:

- A) All of the following requirements must be met prior to transport of the isotopes above:
- 1) The total activity of the isotope in a package does not exceed the maximum quantity listed above in the general information.
  - 2) The radioactive material is packaged in a strong, tight package that will not leak any of the radioactive material during normal transportation conditions.



Index: 725-501-17	SUBJECT: INTERHOSPITAL TRANSPORTATION OF NUCLEAR REGULATORY COMMISSION CONTROLLED ISOTOPES
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- 3) The radiation level at any point on the external surface of the package does not exceed 0.5 millirem per hour.
- 4) The external surface wipe test of the package does not exceed 22 dpm/cm<sup>2</sup>.
- 5) The outside of the inner package or if there is no inner packaging the outside of package bears the marking "Radioactive", (the Radioactive White I label is acceptable).
- 6) The package above must be certified as being acceptable for transportation by having a notice enclosed in or on the package, included with the packing list, or otherwise forwarded with the package. This notice shall include the name of the consignor or consignee and the following statement:

"This package conforms to the conditions and limitations specified in 49 CFR 173.421 for excepted radioactive material, limited quantity, n.o.s., UN 2910."
- 7) If the transferred package has not been opened prior or experiences potential damage in transport then the package shall be delivered directly to the nuclear medicine department and handled according to established procedures for receipt of radioactive packages.
- 8) Any radioactive waste occurring from the use of the transferred material will be handled and disposed of properly at the receiving institution.
- 9) Only nuclear medicine technologists, radiation safety officers, or qualified medical physicists shall transport the radioactive material.
- 10) The transport vehicle will be surveyed for contamination after each transfer with a calibrated survey meter. A calibrated survey meter will accompany the vehicle during transport of radioactive material. A written record will be maintained.