

VOID SHEET

TO: License Fee Management Branch

FROM: RIII - BILL REICHHOLD

SUBJECT: VOIDED APPLICATION

Control Number: 399082

Applicant: JEWISH HOSPITAL KENWOOD

License Number: 34-18868-01

Docket Number: 030-14283

Date Voided: FEBRUARY 2, 1996

Reason for Void: LICENSEE DECIDED TO TERMINATE. VOIDED BEFORE REVIEW.

Deborah A. Hersey  
Signature

2-2-96  
Date

Attachment:  
Official Record Copy of  
Voided Action

FOR LFMB USE ONLY

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

Comments: \_\_\_\_\_

Log completed ☒

Processed by: SAC 10/31/96

9611060211 960202  
PDR ADOCK 03014283  
C PDR

060057

*refund renewal fee 9/25/96, due to rulemaking*

*ML  
30  
SP*

*0/1*

(FOR LFMS USE)  
INFORMATION FROM LTB

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM  
AND  
REGIONAL LICENSING SECTIONS

PROGRAM CODE: 02120  
STATUS CODE: 2  
FEE CATEGORY: 7C 2B  
EXP. DATE: 19951231  
FEE COMMENTS:  
DECOM FIN ASSUR REQDT N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED  
APPLICANT/LICENSEE: JEWISH HOSPITAL KENWOOD  
RECEIVED DATE: 950831  
DOCKET NO: 3014283  
CONTROL NO.: 397082  
LICENSE NO.: 34-18868-01  
ACTION TYPE: RENEWAL

2. FEE ATTACHED  
AMOUNT: 1400  
CHECK NO.: 43958

3. COMMENTS

SIGNED  
DATE

*D. Hersey*  
*9-1-95*

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED / \_\_ /)

1. FEE CATEGORY AND AMOUNT: 7C \$1400

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

3. OTHER

SIGNED  
DATE

*SC*  
*9/5/95*

RECEIVED  
SEP 25 1995  
REGION III

|                  |                   |
|------------------|-------------------|
| Log              | <i>Sept 3 III</i> |
| Remitter         |                   |
| Check No.        | <i>43958</i>      |
| Amount           | <i>\$1400</i>     |
| Fee Category     | <i>7C</i>         |
| Type of Fee      | <i>Renewal</i>    |
| Date Check Rec'd | <i>ND</i>         |
| Date Completed   | <i>9/15/95</i>    |
| By               | <i>SC</i>         |

## APPLICATION FOR MATERIAL LICENSE

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 9 HOURS. SUBMITTAL OF THE APPLICATION IS NECESSARY TO DETERMINE THAT THE APPLICANT IS QUALIFIED AND THAT ADEQUATE PROCEDURES EXIST TO PROTECT THE PUBLIC HEALTH AND SAFETY. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0120), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

## APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY  
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

## ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

## IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND,  
MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA,  
RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

LICENSING ASSISTANT SECTION  
NUCLEAR MATERIALS SAFETY BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO  
RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,  
SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION II  
101 MARIETTA STREET, NW, SUITE 2900  
ATLANTA, GA 30323-0199

## IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN,  
SEND APPLICATIONS TO:

MATERIALS LICENSING SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
801 WARRENVILLE RD  
LISLE, IL 60532-4351

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW  
MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING,  
SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING SECTION  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
811 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TX 76011-8064

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S.  
TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

RADIOACTIVE MATERIALS SAFETY BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION V  
1450 MARIA LANE  
WALNUT CREEK, CA 94596-5368

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

## 1. THIS IS AN APPLICATION FOR (Check appropriate item)

- ☐ A. NEW LICENSE  
☐ B. AMENDMENT TO LICENSE NUMBER \_\_\_\_\_  
☒ C. RENEWAL OF LICENSE NUMBER 34-18868 - 01

## 2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip code)

JEWISH HOSPITAL KENWOOD  
8000 Kenwood Rd.  
Cincinnati, Ohio 45236

## 3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

JEWISH HOSPITAL KENWOOD  
8000 Kenwood Rd.  
Cincinnati, Ohio 45236

## 4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

E.D. Traiforos, MD  
Medical Director, Imaging  
TELEPHONE NUMBER  
(513) 745-2195

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

|  |   |
|--|---|
| 5. RADIOACTIVE MATERIAL<br>a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time   | 6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED  |
| 7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE  | 8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS  |
| 9. FACILITIES AND EQUIPMENT  | 10. RADIATION SAFETY PROGRAM  |
| 11. WASTE MANAGEMENT   | 12. LICENSEE FEES (See 10 CFR 170 and Section 170.31)<br>FEE CATEGORY <u>7C</u> AMOUNT <u>1,400.00</u><br>ENCLOSED \$ |
| 13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.<br>THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39 AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.<br>WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 82 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION. |   |

## CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE

M. Aurora Lambert, Vice President/COO

## SIGNATURE

*M. Aurora Lambert*

## DATE

8/29/95

## FOR NRC USE ONLY

|             |         |              |                 |              |                   |
|-------------|---------|--------------|-----------------|--------------|-------------------|
| TYPE OF FEE | FEE LOG | FEE CATEGORY | AMOUNT RECEIVED | CHECK NUMBER | COMMENTS          |
|             |         |              | \$              |              |                   |
| APPROVED BY |         |              |                 | DATE         |                   |
|             |         |              |                 |              | 399082 REGION III |

# JEWISH HOSPITAL KENWOOD

8000 Kenwood Road • Cincinnati, Ohio 45236 • (513) 745-2200 • FAX 745-0614



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

August 10, 1995

RE: NRC License # 34-18868-01

Jewish Hospital Kenwood requests renewal of NRC license number 34-18868-01 (Docket # 030-14283). Enclosed please find supporting documents, in duplicate, which reflect our current program. Also enclosed is a check for the renewal in the amount of \$1400 (category 7C) as required by 10CFR170.

We are requesting that special consideration be given to the area changes, proposed for November 1, 1995, so that services can be maintained during the license review process.

If you have any questions, please direct them to Robert S. Lenobel, M.D., R.S.O., at (513)-745-2248.

Thank you.

Sincerely,

M. Aurora Lambert  
Vice President/COO  
Jewish Hospital Kenwood

Enclosure

encl. NRC Form 313  
supporting material

The Jewish Hospital of Cincinnati  
3200 Burnet Avenue  
Cincinnati, Ohio 45229  
(513) 569-2000  
FAX 569-2426

Jewish Hospital Kenwood  
8000 Kenwood Road  
Cincinnati, Ohio 45236  
(513) 745-2200  
FAX 745-0614

Jewish Hospital Medical Center  
417 Vine Street  
Cincinnati, Ohio 45202  
(513) 241-3322

Jewish Hospital Evendale Medical Building  
10475 Reading Road  
Cincinnati, Ohio 45241  
(513) 554-3800  
FAX 554-3804

AUG 31 1995

RECEIVED  
AUG 31 1995  
REGION III

5. RADIOACTIVE MATERIAL

| Byproduct, source and/or special nuclear material      | Chemical and/or physical form                           | 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 31.11  | D.) Prepackaged Kits                                    | D.) As needed   |

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED

- 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.
- D.) In vitro studies.

7. INDIVIDUALS RESPONSIBLE FOR RADIATION SAFETY PROGRAMS

7.1 Authorized Users for Medical Use

- A.) Edward Silberstein, M.D., for material in 10 CFR 35.100, 35.200 and 35.300.
- B.) Mariano Fernandez, M.D., for material in 10 CFR 35.100, 35.200 and 35.300.
- C.) Gregg A Wells, M.D., for material in 10 CFR 35.100, 35.200, 35.300 and 31.11.
- D.) E. D. Traiforos, M.D., for material in 10 CFR 35.100 and 35.200.
- E.) Alex J. Chronis, M.D., for material in 10 CFR 35.100 and 35.200.
- F.) Robert S. Lenobel, M.D. for material in 10 CFR 35.100, 35.200, and 35.300.  
Dr. Lenobel is currently authorized for material included in 10 CFR 35.100, 35.200 and 35.300  
at Jewish Hospital, 3200 Burnett Avenue, Cincinnati, Ohio on NRC License number  
34-18868-04.

7.2 Authorized Users for Nonmedical Use

N/A

7.3 Radiation Safety Officer

Robert S. Lenobel, M.D. is the Radiation Safety Officer (RSO).

## 8.0 TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS

### 8.1 Training Program

We have implemented the model training program that was published in Appendix A to Regulatory Guide 10.8, Revision 2.

|                               |         |
|-------------------------------|---------|
| Nursing Personnel             | Lecture |
| Housekeeping                  | Lecture |
| Security                      | Lecture |
| Nuclear Medicine Technologist | Lecture |

### 8.2 Other Training Program

N/A



## 9.0 FACILITIES AND EQUIPMENT

### 9.1 Annotated Drawing

See ATT 9.1 for annotated drawings

On approximately 11-1-95 the Nuclear Medicine department will move to a new area within our building. When the existing area is vacated that area will be surveyed before unrestricted, free release.

### Equipment

Camera - Picker Prism 2000XP

Xenon System - Pulmonex

Dose Calibrator - Cabintec CRC-7 (0uCi-7999. mCi)

Uptake Probe/Well - Cabintec Captus 500

Survey Meter - Victoreen Model 498

### 9.2 Survey Instrument Calibration

We have implemented the model procedure for calibrating survey instruments that was published in Appendix B to Regulatory Guide 10.8, Revision 2.

### 9.3 Dose Calibrator Calibration

We have implemented the model procedure for calibrating our dose calibrator that was published in Appendix C to Regulatory Guide 10.8, Revision 2, with the following exceptions:

- a.) Dose calibrator linearity will be measured over a range that extends down to 30 microcuries, as specified in 10 CFR 35.50 (b) (3).
- b.) Dose calibrator geometry, linearity and accuracy tests will be signed only by the person performing the test, as specified in 10 CFR 35.50 (c) (2,3 & 4).

### 9.4 Personnel Monitor Program

We have implemented the model personnel external exposure monitoring program published in Appendix D to Regulatory Guide 10.8, Revision 2.

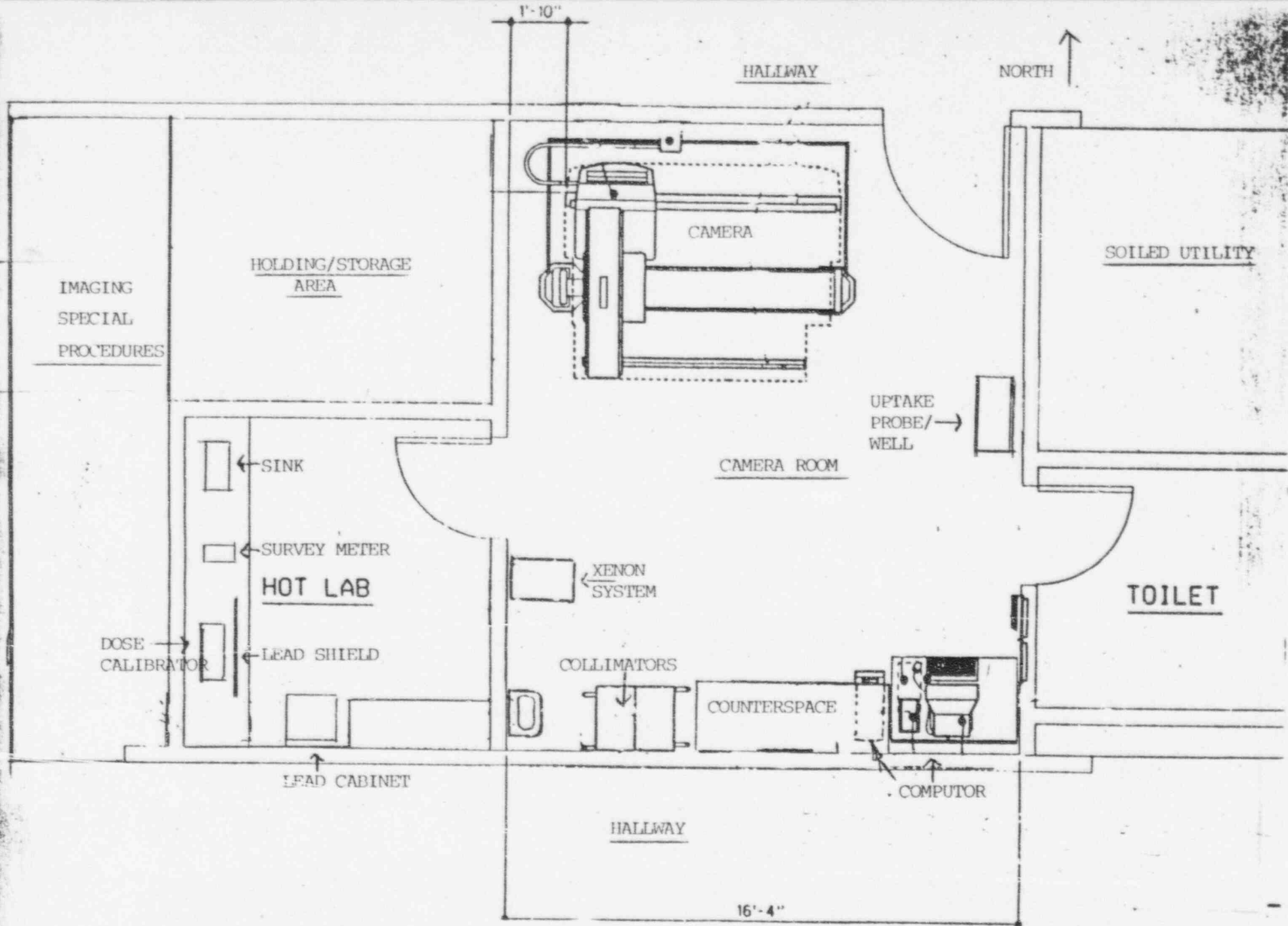
### 9.5 Imaging Equipment

N/A

### 9.6 Other Equipment and Facilities

N/A





SCALE: 1/4" = 1'-0"

JEWISH HOSPITAL KENWOOD

Nov. 1995

## 10.0 RADIATION SAFETY PROGRAM

### 10.1 Radiation Safety Committee/Radiation Safety Officer

We have issued the model Radiation Safety Committee Charter and Radiation Safety Officer Delegation of Authority that was published in Appendix F to Regulatory Guide 10.8, Revision 2.

Robert S. Lenobel, MD, Chairman and RSO  
James Kereiakes, Ph.D, Physicist  
K. Lovins, MS, Health Physicist  
E. Kahn, CNMT, Technologist  
Nursing - Replacement not yet named

D. Nesbit, Safety  
M. Aurora Lambert, Vice President/COO  
C. Green, Manager Imaging Services  
V. Devine, CNMT, Technologist

### 10.2 ALARA Program

We have implemented the model ALARA program that was published in Appendix G to Regulatory Guide 10.8, Revision 2. (Item 18.C., Amendment 07, 6/6/1986).

### 10.3 Leak Test

We have implemented the model procedure for leak testing sealed sources that was published in Appendix H to Regulatory Guide 10.8, Revision 2. (Leak testing of sealed sources performed by RadPhysics, Inc., Suite 216, 400 Oak Street, Cincinnati, Ohio. NRC License Number 34-26626-01.

### 10.4 Safe Use of Radiopharmaceuticals

We have implemented the model safety rules published in Appendix I to Regulatory Guide 10.8, Revision 2.

### 10.5 Spill Procedures

We have implemented the model spill procedures published in Appendix J to Regulatory Guide 10.8, Revision 2.

### 10.6 Ordering and Receiving

We have implemented the model guidance for ordering and receiving radioactive material that was published in Appendix K to Regulatory Guide 10.8, Revision 2.

### 10.7 Opening Packages

We have implemented the model procedure for opening packages that was published in Appendix L to Regulatory Guide 10.8, Revision 2.

### 10.8 Unit Dosage Records

We have implemented the model procedure for a unit dose record system that was published in Appendix M.1 to Regulatory Guide 10.8, Revision 2.

10.9 Multidose Vial Records

N/A

10.10 Molybdenum Concentration Records

N/A

10.11 Implant Source Use Records

N/A

10.12 Area Survey Procedures

We have implemented the model procedure for area surveys that was published in Appendix N to Regulatory Guide 10.8, Revision 2.

10.13 Air Concentration Control

1. We will collect spent noble gas in a shielded container and have implemented the model procedure for checking trap effluent that was published in Appendix O.3 to Regulatory Guide 10.8, Revision 2.
2. N/A
3. We will not directly vent spent aerosols and gases to the atmosphere and therefore no effluent estimation is necessary.
4. We will calculate spilled gas clearance times according to the procedure that was published in Appendix O.4 to Regulatory Guide 10.8, Revision 2.

10.14 Radiopharmaceutical Therapy

We have established and implemented the model procedure for radiation safety during radiopharmaceutical therapy that was published in Appendix P to Regulatory Guide 10.8, Revision 2.

10.15 Implant Therapy

N/A

10.16 Other Safety Procedures

N/A

## 11.0 WASTE MANAGEMENT

### 11.1 Waste Disposal

We have implemented the general guidance and model procedures for waste disposal that were published in Appendix R to Regulatory Guide 10.8, Revision 2.

### 11.2 Other Waste Disposal

N/A

## QUALITY MANAGEMENT PROGRAM

A Quality Management Program (QMP) was implemented on January 6, 1992. This plan was updated and revised on August 4, 1994. These revisions and updates were forwarded to the Nuclear Regulatory Commission.

## ENVIRONMENTAL EXPOSURE MONITORING

We have monitored unrestricted areas in the vicinity of areas where licensed material is used and stored, and have shown that individual members of the public are unlikely to exceed the annual dose limits specified in 10 CFR 20.1301.

September 1, 1995

Jewish Hospital Kenwood  
ATTN: Robert S. Lenobel, M.D.  
Radiation Safety Officer  
8000 Kenwood Road  
Cincinnati, OH 45236

SUBJECT: LICENSE RENEWAL APPLICATION

Dear Dr. Lenobel:

This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

Any correspondence regarding the renewal application should reference the control number specified and your license number.

Sincerely,

Original Signed By  
Marianne Meenan, Chief  
Nuclear Materials Support Section

License No. 34-18868-01  
Control No. 399082

DOCUMENT NAME: M:\03014283.DT5

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure  
"N" = No copy

|        |            |  |  |  |  |  |  |  |
|--------|------------|--|--|--|--|--|--|--|
| OFFICE | DRSS/RIII  |  |  |  |  |  |  |  |
| NAME   | MMEENAN:br |  |  |  |  |  |  |  |
| DATE   | 09/01/95   |  |  |  |  |  |  |  |

OFFICIAL RECORD COPY