

APPLICATION FOR MATERIAL LICENSE

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.

APPLICATIONS FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION
DIVISION OF FUEL CYCLE AND MATERIAL SAFETY, NM55
WASHINGTON, DC 20545

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:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIALS SAFETY SECTION B
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406

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

U.S. NUCLEAR REGULATORY COMMISSION, REGION II
NUCLEAR MATERIALS SAFETY SECTION
101 MARIETTA STREET, SUITE 2900
ATLANTA, GA 30323

IF YOU ARE LOCATED IN:

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

U.S. NUCLEAR REGULATORY COMMISSION, REGION III
MATERIALS LICENSING SECTION
799 ROOSEVELT ROAD
GLEN ELLYN, IL 60137

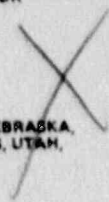
ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
MATERIAL RADIATION PROTECTION SECTION
611 RYAN PLAZA DRIVE, SUITE 1000
ARLINGTON, TX 76011

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

U.S. NUCLEAR REGULATORY COMMISSION, REGION V
NUCLEAR MATERIALS SAFETY SECTION
1460 MARIA LANE, SUITE 210
WALNUT CREEK, CA 94596

D30-D3046



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 JURISDICTION.

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

- A. NEW LICENSE
- B. AMENDMENT TO LICENSE NUMBER _____
- C. RENEWAL OF LICENSE NUMBER 37-05272-02

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

Mercy Hospital of Johnstown
1020 Franklin St.
Johnstown, PA. 15905

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

Mercy Hospital of Johnstown
1020 Franklin ST.
Johnstown, PA. 15905

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Sam Krinsky, M.D., Ph. D.

TELEPHONE NUMBER

814-533-1913

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
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 AND 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)

FEE CATEGORY Renewal AMOUNT ENCLOSED \$ 150.00

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

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 20, 32, 33, 34, 35, AND 40 AND THAT ALL INFORMATION CONTAINED HEREIN, IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948, 62 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.

SIGNATURE - CERTIFYING OFFICER

TYPED/PRINTED NAME

TITLE

DATE

Theodore R. Baranik

Mr. Theodore R. Baranik

Administrator

8/1/88

9001250482 BB1208
REG1 LIC30
37-05272-02 PDR

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	COMMENTS
REN	Aug. 2	7C	
AMOUNT RECEIVED	CHECK NUMBER		
\$150 + 430	056082-71620	/056107-71650 +20596	

APPROVED BY	DATE
<i>S. Kimberly</i>	8/18/88

"OFFICIAL RECORD COPY" ML 10 Rec'd 8/4/88

#5 & 6 of NRC 313

Radioactive Material & Purpose of Use

<u>BYPRODUCT MATERIAL</u>	<u>AMOUNT</u>	<u>PURPOSE</u>
5.a Material in 35.100	As needed	6.a Medical Use
5.b Material in 35.200	As needed	6.b Medical Use
5.c Material in 35.300	As needed	6.c Medical Use
5.d Material in 31.11	As needed	6.d In Vitro Studies

Items #5 & 6
August 1, 1988

#7 of NRC 313

Individuals Responsible for Radiation Safety Program and Their
Training and Experience

7.1 of NRC 313 Authorized Users for Medical Use

Sam Krinsky, M.D., Ph. D. Refer to NRC License #37-05272-02

Harold L. Ringler, Jr., M.D. Refer to NRC License #37-05272-02

David C. Borecky, M.D. Refer to NRC License #37-05272-02

Albert M. Benschhoff, M.D. Refer to NRC License #37-05272-02

7.3 of NRC 313 Radiation Safety Officer

Samuel I. Krinsky, M.D., Ph.D. Refer to NRC License #37-05272-02

Item #7
August 1, 1988

#7 of NRC 313

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Training and Experience

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Sam Krinsky, M.D., Ph. D.	Refer to NRC License #37-05272-02
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Albert M. Benshoff, M.D.	Refer to NRC License #37-05272-02

7.3 of NRC 313 Radiation Safety Officer

Samuel I. Krinsky, M.D., Ph.D.	Refer to NRC License #37-05272-02
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Item #7
August 1, 1988

8 of NRC 313

Training for Individual Working in or Frequenting
Restricted Areas

8.1 of NRC 313

Training Program

We have developed a training program for your review that is appended
as Att 8.1

8.2 of NRC

Other Training Program

NA

Items 8.1 & 8.2
August 1, 1988

9.2 of NRC 313 Survey Meter Calibration

Survey meters will be calibrated annually by:

Applied Health Physics, Inc.
2986 Industrial Blvd. Box 197
Bethel Park, PA. 15102
Phone 412-563-2242
NRC License 37-09135-01

9.3 of NRC 313 Dose Calibrator Calibration

We will establish and implement the model procedure for calibrating our dose calibrator that was published in Appendix C to Regulatory Guide 10.8, Revision 2.

The following sources will be used for instrument accuracy and constancy tests. The Calicheck Method using lead filters may also be used.

<u>RADIONUCLIDE</u>	<u>APPROXIMATE ACTIVITY</u>
Co-57	50uCi - 5mCi.
Cs-137	50uCi - 250uCi.
Ba-133	50 250uCi.

9.4 of NRC 313 Personnel Monitor Program

We will establish and implement the model personnel exterior exposure monitoring program published in Appendix D to Regulatory Guide 10.8, Revision 2.

9.5 of NRC 313 Imaging Equipment

NA

9.6 of NRC 313 Other Equipment and Facilities

NA

10 of NRC 313 Radiation Safety Program

10.1 of NRC 313 Radiation Safety Committee/Radiation Safety Officer

We will issue the model Radiation Safety Committee Charter and Radiation Regulatory Guide 10.8, Revision 2.

10.2 of NRC 3.3 ALARA Program

We will establish and implement the model ALARA program that was published in Appendix G to Regulatory Guide 10.8, Revision 2.

10.3 of NRC 313 Leak Test

Leak testing of Sealed sources (activity greater than 100 uCi) will be done quarterly by our consulting physicist, Krishnadas Banerjee, Ph.d., FACR.

10.4 of NRC 313 Safe Use of Radiopharmaceuticals

We will establish and implement the model Safety Rules published in Appendix I to Regulatory 10.8, Revision 2.

10.5 of NRC 313 Spill Procedures

We will establish and implement the model spill procedures published in Appendix J to Regulatory Guide 10.2, Revision 2.

10.6 of NRC 313 Ordering and Receiving

We have developed a procedure for ordering and receiving radioactive materials for your review that is appended as ATT 10.6.

10.7 of NRC 313 Opening Packages

We will establish and implement the model procedure for opening packages that was published in Appendix L to Regulatory Guide 10.8, Revision 2.

Items 10.1 - 10.7
August 1, 1988

10.8 , of NRC 313 Unit Dosage Records

We will establish and implement the model procedure for a unit dosage record system that was published in Appendix M.1 to Regulatory Guide 10.8, Revision 2.

10.9 of NRC 313 Multidose Vial Records

We will establish and implement the model procedure for a multidose vial record system that was published in Appendix M.2 to Regulatory Guide 10.8, Revision 2.

10.10 of NRC 313 Molybdenum Concentration Records

We will establish and implement the model procedure for measuring and recording molybdenum concentration that was published in Appendix M.3 to Regulatory Guide 10.8, Revision 2.

10.11 of NRC 313 Implant Source Use Records

NA

10.12 of NRC 313 Area Survey Procedures

We will establish and implement the model procedure for area surveys that was published in Appendix N to Regulatory Guide 10.8, Revision 2.

10.13 of NRC Air Concentration Control

Please refer to NRC License #37-05272-02

10.14 of NRC 313 Radiopharmaceutical Therapy

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

Items 10.8 - 10.14
August 1, 1988

10.15 of NRC 313

Implant Therapy

NA

10.16 of NRC 313

Other Safety Procedures

NA

Items 10.15 - 10.16
August 1, 1988

11 of NRC 313

Waste Management

11.1 of NRC 313

Waste Disposal

Refer to the NRC License #37-05272-02

11.2 of NRC 313

Other Waste Disposal

NA

Items 11 - 11.2
August 1, 1988

8.1 of NRC 313

Personnel Training Program

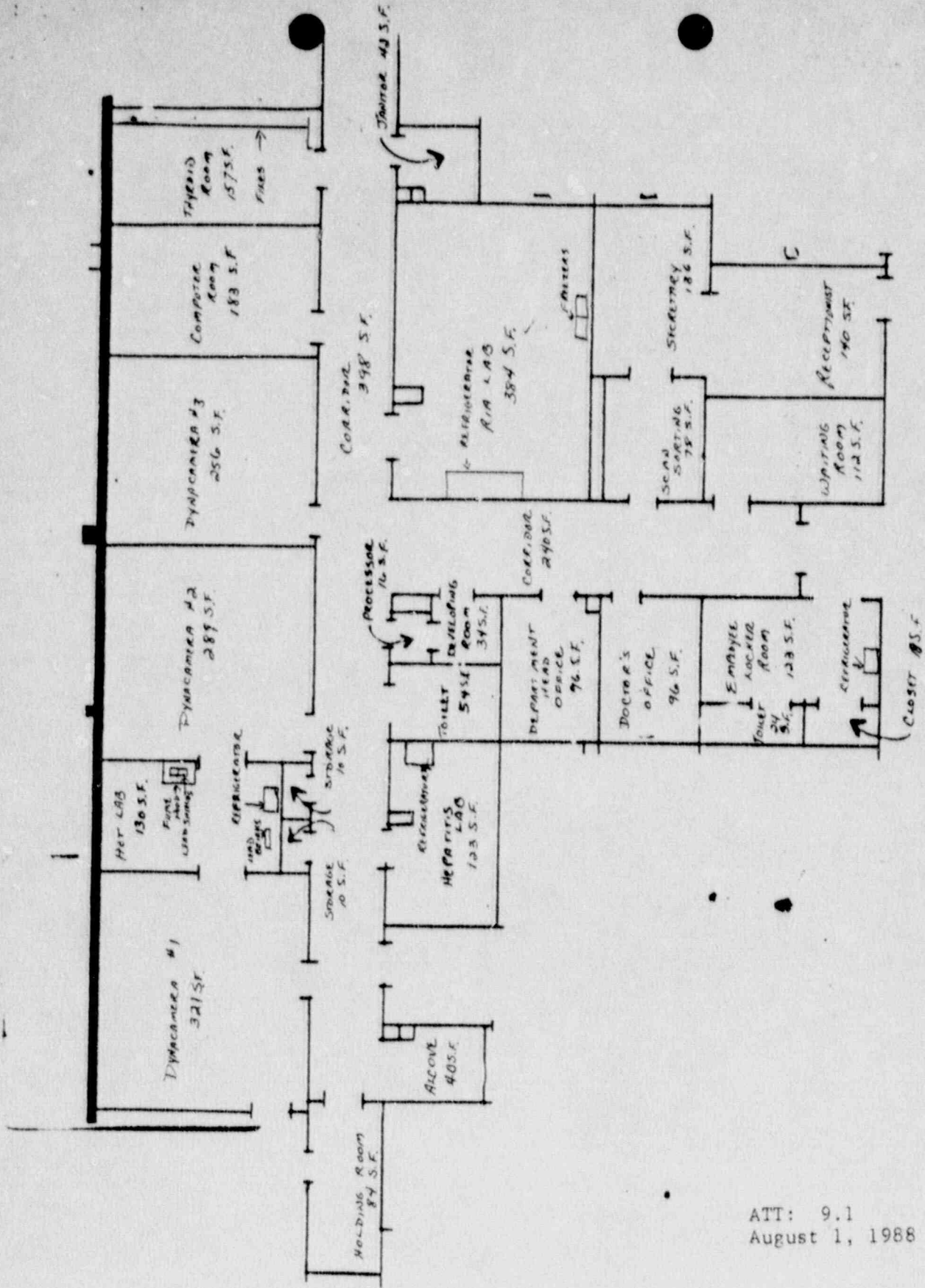
- I. Individuals who work in or frequent restricted areas will be instructed in the items specified in 10CFR 19.12 at the time of initial employment and at least annually thereafter.

This instruction will include:

- a. All terms of the license pertinent to radiation safety.
 - b. Areas where radioactive material is used or stored.
 - c. Potential hazards associated with radioactive material.
 - d. Radiological safety procedures appropriate to their respective duties.
 - e. Pertinent NRC regulations.
 - f. Rules and regulations of the license.
 - g. Obligation to report unsafe conditions to the radiation safety officer.
 - h. Appropriate response to emergencies or unsafe conditions.
 - i. Right to be informed of their radiation exposure and bioassay results.
 - j. Locations where the license has posted or made available notices, copies of pertinent regulations, and copies of pertinent licenses and license conditions (including applications and applicable correspondence), as required by 10 CFR Part 19.
- II. Individuals whose duties may require them to work in the vicinity of license material will be informed about radiation hazards and appropriate precautions at the time of initial employment and at least annually thereafter. This information will be provided initially at hospital employee orientation sessions and annually thereafter at in-service meetings.

III.* The Technicians will be routinely instructed quarterly by the health physicist on subjects such as:

- a. Physics
- b. Radiation Safety
- c. Calibration and care of instruments
- d. Radioimmunoassay
- e. Licensing
- f. NRC and state regulations



ATT: 9.1
August 1, 1988

PROCEDURES FOR ORDERING AND ACCEPTING DELIVERY
OF RADIOACTIVE MATERIAL.

1. The Supervisory Nuclear Medicine Technologist will place all orders for radioactive materials and will ensure that the requested materials and quantities are authorized by the license and that possession limits are not exceeded.
2. A system for ordering and receiving radioactive materials will be established and maintained. The system will consist minimally of the following:
 - a. Ordering of routinely used materials
 - (1) Written records that identify the isotope, compound, activity levels, and supplier, etc., will be used.
 - (2) The written records will be referenced when opening or storing radioactive shipment.
 - b. Ordering of specially used materials (e.g., therapeutic uses)
 - (1) A written request will be obtained from the physician who will perform the procedure.
 - (2) Persons ordering the materials will reference the physician's written request when placing the order. The physician's request will indicate isotope, compound, activity level, etc.
 - (3) The physicians's written request will be referenced when receiving, opening, or storing the radioactive material.
 - c. It is essential that written records be maintained for all ordering and receipt procedures.
3. During normal working hours, carriers will be instructed to deliver radioactive packages directly to the Nuclear Medicine Department.
4. During off-duty hours, security personnel or other designated individuals will accept delivery of radioactive packages in accordance with the procedures outlined in the sample memorandum attached.

ATT .10.6

MEMORANDUM FOR: Security Personnel
Nursing Supervisors
Out-Patient Personnel

FROM: Hospital Administrator

SUBJECT: RECEIPT OF PACKAGES CONTAINING RADIOACTIVE MATERIAL

Any packages containing radioactive material that arrive between 5:00 P.M. and 7:00 A.M. or on Sundays or holidays shall be signed for by the Out Patient clerk on duty and taken immediately by the carrier to the Nuclear Medicine Department. Unlock the door, place the package on the counter top or on the cart immediately inside the door and relock the door.

If the package is wet or appears to be damaged immediately contact the Radiation Safety Officer. Ask the carrier to remain until it can be determined that neither he nor the delivery vehicle is contaminated.

ATT 6
August 1, 1988

OFFICIAL RECORD COPY

~~OFFICIAL USE ONLY~~ ML10

109485

04 AUG 1988

AUG 1 1988

The Mercy Hospital of Johnstown
Attn: Sam Krinsky, M.D., Ph.D.
1020 Franklin Street
Johnstown, PA 15905

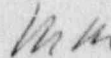
Gentlemen:

This refers to your application dated August 1, 1988, for renewal of Materials License 37-05272-02.

We received your check for \$150. Your application, however, is subject to a renewal fee of \$580 as specified in §170.31 (7C) of 10 CFR 170, copy enclosed. Payment of the additional \$430 should be made to the U.S. Nuclear Regulatory Commission and mailed to my attention at our Washington, D.C. address.

Your application will be processed by the Region I Licensing staff located at 475 Allendale Road, King of Prussia, Pennsylvania 19406. The additional fee, however, is required prior to issuance of the renewal. When submitting the fee, please refer to CONTROL NUMBER 120596.

Sincerely,



for Glenda Jackson
License Fee Management Branch
Division of Accounting and Finance
Office of Administration and
Resources Management

Enclosure:
10 CFR 170

cc: Region I

DISTRIBUTION:

Pending Fee File
ARM/DAF R/F
LFMB R/F (2)
DW/RI/RI ADD FEE/Mercy Hospital

OFFICE: ARM/LFMB *sk*
SURNAME: SKimberley:lp
DATE: 8/10/88

ARM/LFMB *sk*
GJackson *for*
8/10/88



The Mercy Hospital of Johnstown

1020 FRANKLIN STREET

JOHNSTOWN, PENNSYLVANIA 15905-4186

August 15, 1988

United State Regulatory Commission
Washington, D.C. 20555

RE: Control Number 120596

Attention: Glenda Jackson, License Fee Management Branch

Enclosed please find a check for \$430.00 which is the additional
fee for renewal of our Materials License 37-05272-02.

Thank you,

Sam Krinsky

Sam Krinsky, M.D., Ph.D.
Director, Nuclear Medicine

SK: mag

Enclosure

RECEIVED

'88 AUG 18 09:23

U.S. MAIL
LIC. FEE MGMT. BRANCH

{FOR LFMS USE}
INFORMATION FROM LTS

BETWEEN:
License Fee Management Branch, ARM
and
Regional Licensing Sections

Program Code: 02120
Status Code: 2
Fee Category: 7C
Exp. Date: 19880831
Fee Comments: _____

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: MERCY HOSPITAL OF JOHNSTOWN
Received Date: 880804
Docket No.: 3003046
Control No.: 120596
License No.: 37-05272-02
Action Type: Renewal

2. FEE ATTACHED

Amount: \$150.00
Check No.: 056088

3. COMMENTS

Signed R. Stockstill
Date 8/15/88

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered 1/1)

1. Fee Category and Amount: 7C 8580

2. Correct Fee Paid. Application may be processed for:

Amendment _____
Renewal ✓ _____
license _____

OTHER _____

Signed A. Kimberly
Date 8/18/88

