

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, NMSS
WASHINGTON, DC 20566

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
1450 MARIA LANE, SUITE 210
WALNUT CREEK, CA 94686

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.

<p>1. THIS IS AN APPLICATION FOR (Check appropriate item)</p> <p><input type="checkbox"/> A. NEW LICENSE</p> <p><input type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER _____</p> <p><input checked="" type="checkbox"/> C. RENEWAL OF LICENSE NUMBER <u>20-15295-01</u></p>	<p>2. NAME AND MAILING ADDRESS OF APPLICANT (include Zip Code)</p> <p>FAIRVIEW HOSPITAL 29 LEWIS AVENUE GT. BARRINGTON, MA 01230</p>
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3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED.

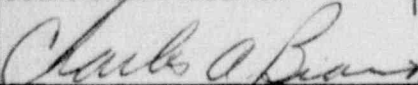
FAIRVIEW HOSPITAL
29 LEWIS AVENUE
GT. BARRINGTON, MA 01230

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION	TELEPHONE NUMBER
Ruey R Wu, Ph.D.	413-447-2361

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.

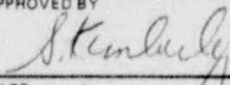
5. RADIOACTIVE MATERIAL a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time.	6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.
7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.	8. 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 <u>7C</u> AMOUNT ENCLOSED \$ <u>580.</u>

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 30, 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
	CHARLES A. BIANCHI	PRESIDENT	7-26-88

9001170134 881125
REG1 LIC30
20-15295-01 PDR

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	COMMENTS	APPROVED BY
REN	Aug. 1 st	7C	"OFFICIAL RECORD COPY"	
AMOUNT RECEIVED	CHECK NUMBER			DATE
8580	159677		ML10, 109351	9/7/88

28 JUL 1988

ITEM 5. Radioactive Material

ITEM 6. Purpose

<u>Byproduct Material</u>	<u>Amount</u>	<u>Purpose</u>
5.a Material in Section 35.100	As Needed	6.a Medical Use
5.b Material in Section 35.200	As Needed	6.b Medical Use
5.c Material in Section 31.11	As Needed	6.c Medical Use

Item No. 5
Item No. 6
Date: July 26, 1988

Item 7.1 Authorized Users for Medical Use

The following users have been authorized to use the radioactive materials requested in this application, and their previous licence numbers are submitted here:

Edward J. Montoni, M.D.	License# 20-15295-01
Joseph A, Levine, M.D.	License# 20-15295-01
J. David Poutasse, M.D.	License# 20-15295-01
F. Peter Rentz, M.D.	License# 20-15295-01
Stuart J. MAsters, M.D.	License# 20-15295-01
Jerome M. Auerbach, M.D.	License# 20-15295-01

Item No. 7.1
Date: July 26, 1988

Item 7.3 Radiation Safety Officer

Jerome M. Auerbach, M.D. has been an authorized user in license # 20-15295-01 and he is requested to be the Radiation Safety Officer for this license.

Item No. 7.3
Date: July 26, 1988

Item 8.1 Training Program

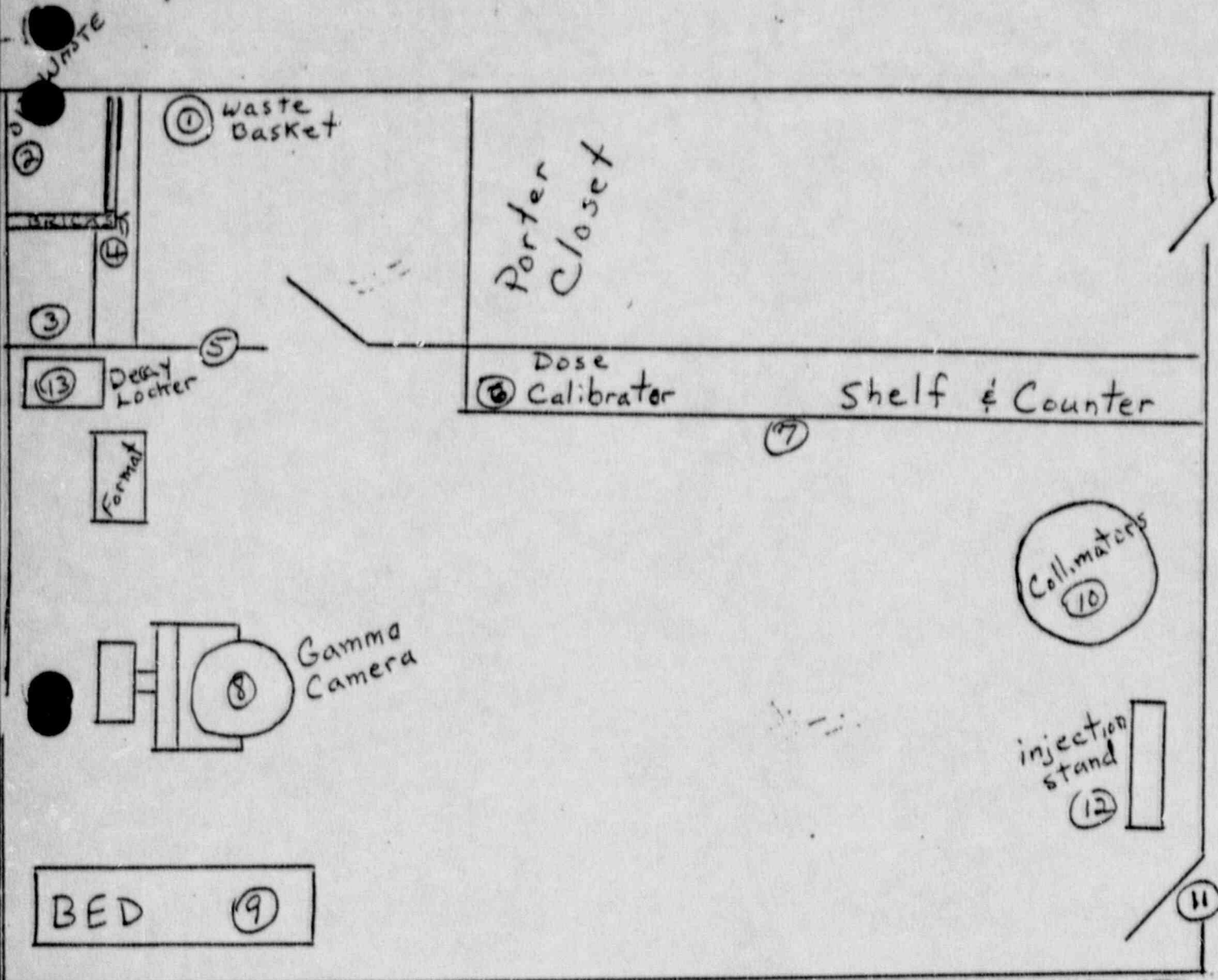
We will follow the Model Training Program in Appendix A to Regulatory Guide 10.8. Revision 2.

Item No. 8
Date: July 26, 1988

Item 9.1 Annotated Drawing

ATT 9.1 is the drawing of the room where byproduct material will be used.

Item No. 9.1
Date: July 26, 1988



- 1. Waste Basket
- 2. Old Waste
- 3. Counter
- 4. Lead Bricks
- 5. Doorway
- 6. Dose Calibrator
- 7. Shelf & Counter

- 8. Gamma Camera
- 9. Bed
- 10. Collimators
- 11. Door
- 12. Injection stand
- 13. Decay Locker

Item 9.2 Survey Instrument Calibration

There are two survey meters: Victoreen 498 and Ludlum Model 5.

All of our survey instruments will be calibrated at a frequency of once a year by the Nuclear Instrument Co., 65 Grove St., Rockland, MA. 02370, with license number 600 of permission to use Radium and Cesium-137 as calibration sources issued by the state of Massachusetts. Information concerning calibration procedures has been filed with the Nuclear Regulatory Commission, with license number 20-16972-01.

Item No. 9.2
Date: July 26, 1988

Item 9.3 Dose Calibrator Calibration

Squibb CRC-6A dose calibration will be tested according to the model procedure that was published in Appendix C to Regulatory Guide 10.8, Revision

Item No. 9.3
Date: July 26, 1988

Item 9.4 Personnel Monitor Program

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

Item No. 9.4
Date: July 26, 1988

Item 10.1 Radiation Safety Committee/Radiation Safety Officer

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

Item No. 10.1
Date: July 26, 1988

Item 10.2 ALARA Program

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

Item No. 10.2
Date: July 26, 1988

Item 10.3 Leak Test

We will establish and implement the model procedure for leak-testing sealed sources that was published in Appendix H to Regulatory Guide 10.8, Revision 2.

Item No. 10.3
Date: July 26, 1988

Item 10.4 Safe Use of Raidopharmaceuticals

We will establish and implement the model safety rules published in Appendix I to Regulatory Guide 10.8, Revision 2.

Item No. 10.4
Date: July 26, 1988

Item 10.5 Spill Procedures

We will establish and implement the model spill procedures published in Appendix J to Regulatory Guide 10.8, Revision 2.

Item No. 10.5
Date: July 26, 1988

Item 10.6 Ordering and receiving

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

Item No. 10.6
Date: July 26, 1988

Item 10.7 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.

Item No. 10.7
Date: July 26, 1988

Item 10.8 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.

Item No. 10.8
Date: July 26, 1988

Item 10.9 Multidose Vial Record

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.

Item No. 10.9
Date: July 26, 1988

Item 10.10 M0-99 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.

Item No. 10.10
Date: July 26, 1988

Item 10.12 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.

Item No. 10.12
Date: July 26, 1988

Item 10.31.¹ Worker Dose From Noble Gases

We will follow the model procedure for calculating worker dose from noble gases that was published in Appendix 0.1 to Regulatory Guide 10.8, Revision 2.

Item No. 10.13.1
Date: 7-26-88

Item 10.13.2 Worker Dose From Aerosols

We will follow the model procedure for calculating worker dose from aerosols that was published in Appendix 0.1 to Regulatory Guide 10.8, Revision 2.

Item No. 10.13.2
Date: July 26, 1988

Item 10.13.3 Public Dose From Airborne Effluent

We will follow the model procedure for calculating airborne effluent concentration that was published in Appendix 0.2 Regulatory Guide 10.8, Revision 2.

Item No. 10.13.3
Date: July 26, 1988

Item 10.13.4 Spilled Gas Clearance Time

We will calculate spilled gas clearance time according to the procedure that was published in Appendix 0.4 to Regulatory Guide 10.8, Revision 2.

Item No. 10.13.4
Date: July 26, 1988

Item 11.1 Waste Disposal

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

Item No. 11.1
Date: July 26, 1988

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