EXHIBIT 2

NRC FORM 313
(1-84)
10 CFR 30, 32, 33, 34
35 and 40

APPLICATION FOR MATERIAL LICENSE

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED BY OMB
3150-0120
Expires 8-31-87

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.

FEDERAL AGENCIES FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION
DIVISION OF FUEL CYCLE AND MATERIAL SAFETY, NMSS
WASHINGTON, DC 20555

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF YOU ARE LOCATED IN:

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

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIAL SECTION B
631 PARK AVENUE
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
MATERIAL RADIATION PROTECTION 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
MATERIAL RADIATION PROTECTION SECTION
1450 MARIA LANE, SUITE 210
WALNUT CREEK, CA 94596

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 _____
- [X] C. RENEWAL OF LICENSE NUMBER #25-17265-01

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

Glendive Community Hospital
Prospect and Ames
Glendive, Montana 59330

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

Same as #2.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION | TELEPHONE NUMBER

Mark J. Kapelinski of Stan A. Huber Consultants, Inc. | (815) 485-6161

SUBMIT ITEMS 5 THROUGH 11 ON 8½ 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. See attached

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

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE. See attached

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS. See attached.

9. FACILITIES AND EQUIPMENT. See attached.

10. RADIATION SAFETY PROGRAM. See attached.

11. WASTE MANAGEMENT. See attached.

12. LICENSEE FEES (See 10 CFR 170 and Section 170.31)
FEE CATEGORY 7C | AMOUNT ENCLOSED $ Check previously sent ($580.00)

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 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
[signature]	John Solheim	Chief Executive Officer	06-12-87

ANNUAL RECEIPTS
- [ ] <$250K
- [ ] $250K - $500K
- [ ] $500K - $750K
- [ ] $750K - 1M
- [ ] $1M - 2M

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REG4 LIC30
25-17265-01 PDR

PART ECONOMIC DATA

4. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (Enter and for each item) ON THE ECONOMIC IMPACT OF CURRENT NRC REGULATIONS OR ANY FUTURE PROPOSED NRC REGULATIONS THAT MAY AFFECT YOU? (NRC regulations permit it to protect confidential commercial or financial information furnished to the agency in confidence)

- [ ] YES
- [ ] NO

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	COMMENTS	APPROVED BY
			for fee info see app of 4/20/87	
AMOUNT RECEIVED	CHECK NUMBER			DATE

PRIVACY ACT STATEMENT

Pursuant to 5 U.S.C. 552a(e)(3), enacted into law by section 3 of the Privacy Act of 1974 (Public Law 93-579), the following statement is furnished to individuals who supply information to the Nuclear Regulatory Commission on NRC Form 313. This information is maintained in a system of records designated as NRC-3 and described at 40 Federal Register 45334 (October 1, 1975).

1. **AUTHORITY:** Sections 81 and 161(b) of the Atomic Energy Act of 1954, as amended (42 U.S.C. 2111 and 2201(b)).

2. **PRINCIPAL PURPOSE(S):** The information is evaluated by the NRC staff pursuant to the criteria set forth in 10 CFR Parts 30, 32, 33, 34, 35 and 40 to determine whether the application meets the requirements of the Atomic Energy Act of 1954, as amended, and the Commission's regulations, for the issuance of a radioactive material license or amendment thereof.

3. **ROUTINE USES:** The information may be (a) provided to State health departments for their information and use; and (b) provided to Federal, State, and local health officials and other persons in the event of incident or exposure, for their information, investigation, and protection of the public health and safety. The information may also be disclosed to appropriate Federal, State, and local agencies in the event that the information indicates a violation or potential violation of law and in the course of an administrative or judicial proceeding. In addition, this information may be transferred to an appropriate Federal, State, or local agency to the extent relevant and necessary for an NRC decision or to an appropriate Federal agency to the extent relevant and necessary for that agency's decision about you.

4. **WHETHER DISCLOSURE IS MANDATORY OR VOLUNTARY AND EFFECT ON INDIVIDUAL OF NOT PROVIDING INFORMATION:** Disclosure of the requested information is voluntary. If the requested information is not furnished, however, the application for radioactive material license, or amendment thereof, will not be processed. A request that information be held from public inspection must be in accordance with the provisions of 10 CFR 2.790. Withholding from public inspection shall not affect the right, if any, of persons properly and directly concerned need to inspect the document.

5. **SYSTEM MANAGER(S) AND ADDRESS:** U.S. Nuclear Regulatory Commission
Director, Division of Fuel Cycle and Material Safety
Office of Nuclear Material Safety and Safeguards
Washington, D.C. 20555

REF: NRC 313 ITEM 5 AND 6

ITEM 5 - BYPRODUCT MATERIAL	AMOUNT	ITEM 6 - PURPOSE
A) MATERIAL IN 35.100	AS NEEDED	MEDICAL USE
B) MATERIAL IN 35.200	AS NEEDED	MEDICAL USE
C) MATERIAL IN 35.300	AS NEEDED	MEDICAL USE

REF: NRC 313 ITEM 7

RADIATION SAFETY OFFICER & AUTHORIZED USERS

ITEM 7.1 - RADIATION SAFETY OFFICER

TRAINING, DUTIES, AND AVAILABILITY

The training and experience descriptions of the Radiation Safety Officer are appended to this application or referenced as already on file with the NRC.

The R.S.O. is responsible for the overall Radiation Protection Program within the institution. The R.S.O. has authority to implement and enforce all NRC license stipulations and regulations pertaining to the institution on a daily basis and has the authority to immediately terminate any hazardous operation. The R.S.O.'s responsibilities involve not only routine applications and occupational personnel within the restricted areas using radioactive materials in the institution, but also all non-occupational personnel and visitors in non-restricted areas, as well as security and handling procedures from the time radioactive shipments arrive in the hospital, day or night, through the time all such sources are properly used or disposed. The R.S.O. must provide and document extensive education (initially, as needed, and at least annually) of all personnel and public who may come within the vicinity of radioactive materials.

The R.S.O. must provide back-up 24 hours per day coverage during illness, vacations, or emergency, by providing Administration and the occupational personnel with the phone numbers of consulting physical scientists and the Regional NRC Division of Compliance.

ATT 7.1.1

AUTHORIZED USERS

NAME	AUTHORIZED USER
RADIATION SAFETY OFFICER	
Burl C. Stephens, M.D.	Item 5 A) B) C)

For training and experience, please reference License No. 25-17265-01

ATT 7.1.2

AUTHORIZED USERS

NAME	AUTHORIZED USER
(ALTERNATE) RADIATION SAFETY OFFICER	
Ralph E. Sievers, M.D.	Item 5 A) B) Iodine-131 for treatment of hyperthyroidism and cardiac dysfunction

For training and experience, please reference License No. 25-17265-01

ATT 7.1.3

AUTHORIZED USERS

NAME	AUTHORIZED USER
Ray F. Allen, M.D.	Item 5 A) B) C)

For training and experience, please reference License No. 25-17265-01

ATT 7.1.4

AUTHORIZED USERS

NAME	AUTHORIZED USER
Mark L. Pfautsch, M.D.	Item 5 A) B) C)

For training and experience, please reference License No. 25-17265-01

REF. NRC 313 - ITEM 8

APPENDIX A

PERSONNEL TRAINING PROGRAM

We will establish and implement the model training program that was published in Appendix A to Regulatory Guide 10.8, Revision 2 and append a table ATT 8.1 that identifies the groups of workers who will receive training and the method of training.

ATT 8.1

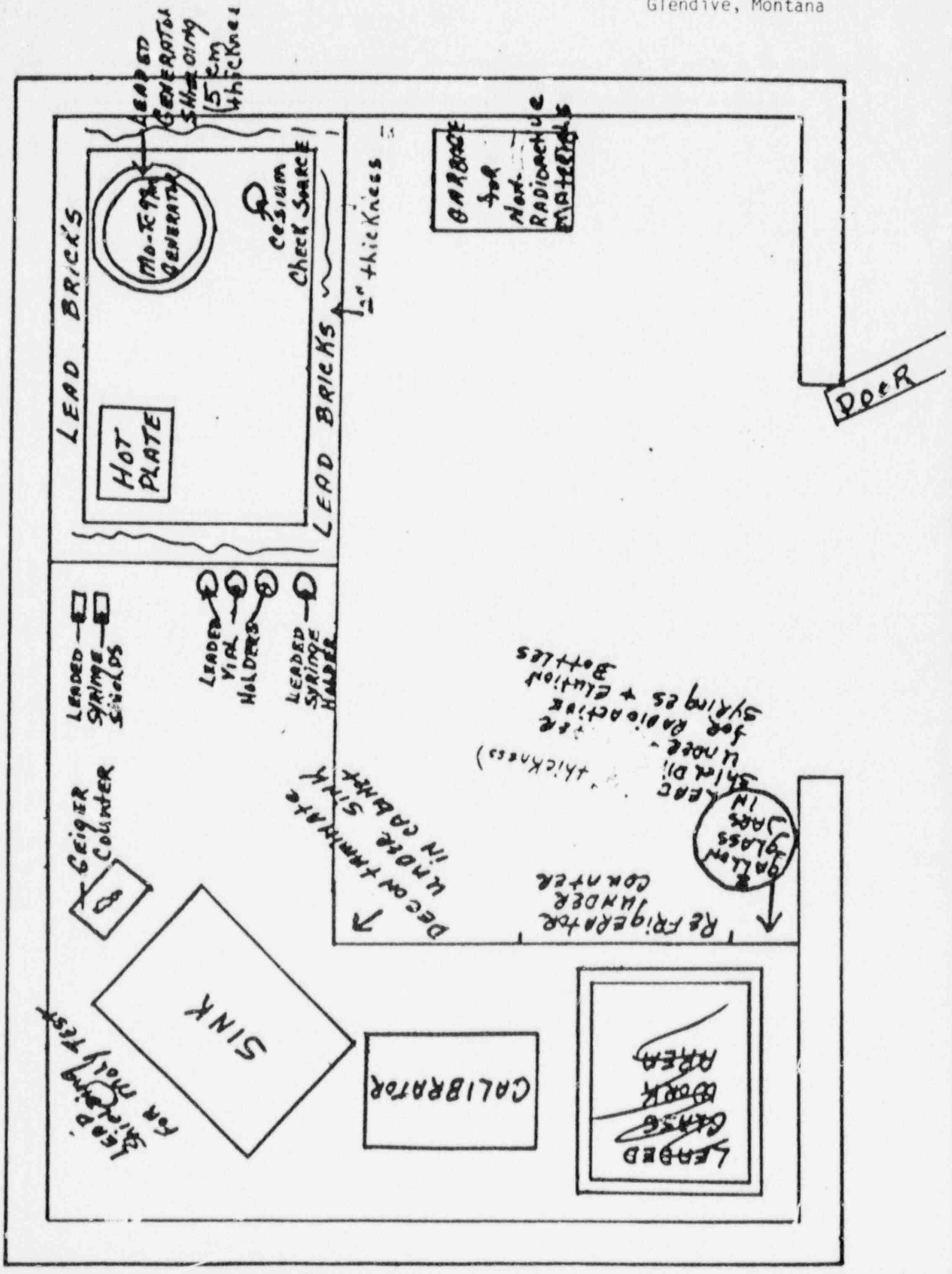
WORKERS RECEIVING TRAINING AS STATED IN APPENDIX A:

Nuclear Medicine Personnel

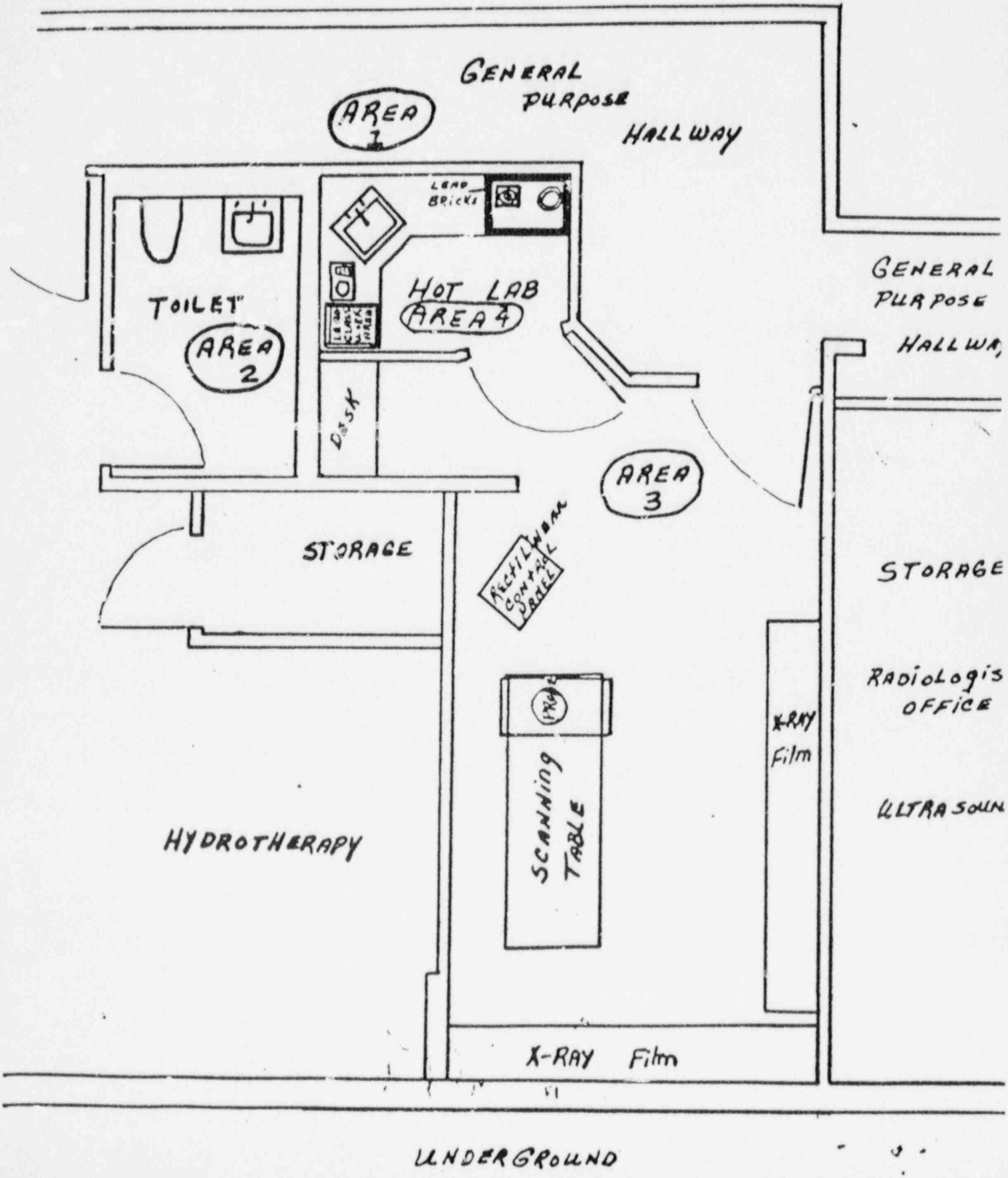
Housekeeping Personnel

Security Personnel, or other designated individuals, who are responsible for the off-duty hour receipt of radioactive materials.

Training will be in the form of lectures, demonstrations, slide presentations, or written instructions.


HOT LAB
LEAD BRICKS
HOT PLATE
LEAD BRICKS
1" thick Knees
DOOR
LEADED SYRINGE SHIELDS
LEADED VIAL HOLDERS
LEADED SYRINGE HANDLER
Geiger Counter
SINK
CALIBRATOR
LEADED GLASS DOOR AREA
DECONTAMINATE UNDER SINK IN CABINET
REFRIGERATOR UNDER COUNTER

GLENDIVE COMMUNITY HOSPITAL
NUCLEAR MEDICINE FACILITY



REF: NRC 313 ITEM 9.2

CALIBRATION OF SURVEY METERS

We will establish and implement the model procedure for calibrating survey instruments that was published in Appendix B to Regulatory Guide 10.8, Revision 2.

REF: NRC 313 ITEM 9.3

PROCEDURE FOR CALIBRATING DOSE CALIBRATOR

We shall follow the calibration methods and frequencies for dose calibrators as defined in the NRC Regulatory Guide 10.8, Revision 2, Appendix C.

For the linearity test, we will use a vial of Tc-99m, whose activity is equivalent to the maximum anticipated activity to be assayed. For the accuracy test, Stan A. Huber Consultants, Inc., of New Lenox, IL, or other licensed calibration firm, will use the following sources under the authority of their NRC license #12-17503-01:

Model NES-356, 200 microcuries of Cs-137 (high energy)

Model NES-352, 1 millicurie of Co-57 (low energy)
(or other NRC approved Co-57 calibration sources of greater millicurie activity)

Model NES-358, 250 microcuries of Ba-133 (medium energy)

(the minimum activities used for dose calibrator accuracy checks are 100 uCi each for Cs-137 and Ba-133, and 1 mCi for Co-57

We use a NEN Model NES-356, Cs-137 standard, 100 - 300 uCi, or any approved similar standard for our day of use dose calibrator constancy checks. Records of all tests and checks will be maintained.

We request use of the "Calicheck" (Calcorp) system or "Lineator" (Atomic Products) system as an alternate method of performing dose calibrator quarterly linearity checks. The product certifications for these devices are on file with the NRC.

REF: NRC 313 ITEM 9.4

PERSONNEL MONITORING

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

REF: NRC 313 ITEM 10.1

RADIATION SAFETY COMMITTEE

We will establish and implement the model procedures for establishing and operating a Radiation Safety Committee that was published in Appendix F to Regulatory Guide 10.8, Revision 2.

REF: NRC 313 ITEM 10.2

ALARA

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

REF: NRC 313 ITEM 10.3

LEAK TEST PROCEDURES

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.

REF: NRC 313 ITEM 10.4

SAFE USE OF RADIOACTIVE PHARMACEUTICALS

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

REF: NRC 313 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.

REF: NRC 313 ITEM 10.6

ORDERING AND RECEIVING OF RADIOACTIVE MATERIALS

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.

REF: NRC 313 ITEM 10.7

OPENING PACKAGES CONTAINING RADIOACTIVE MATERIALS

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

REF: NRC 313 ITEM 10.8

M.1 RECORDS OF UNIT DOSAGE USE

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.

M.2 RECORDS OF MULTIDOSE VIAL USE

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.

REF: NRC 313 ITEM 10.10

MO-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.

REF: NRC 313 ITEM 10.12

AREA SURVEY PROCEDURES

We have developed survey procedures for your review that are appended as ATT 10.12.

Ambient Exposure Rate Surveys

1. Survey Areas

   a. In radiopharmaceutical elution, preparation, and administration areas, survey at the end of each day of use with a low-range survey meter. If diagnostic administrations are occasionally made in patients' rooms and special care is taken to remove all paraphernalia, those rooms need not be surveyed.

   b. In laboratory areas where only small quantities of gamma-emitting radioactive material are processed (less than 200 microcuries at a time), survey monthly with a low-range survey meter.

   c. In radiopharmaceutical storage and radiopharmaceutical waste storage areas, survey weekly with a low-range survey meter.

   d. In sealed source and brachytherapy storage areas, survey quarterly with an ionization chamber survey meter.

2. Immediately notify the RSO if you find unexpectedly high or low levels.

Removable Contamination Surveys

1. Survey Areas

   a. In radiopharmaceutical elution, preparation, and administration areas, survey weekly for removable contamination. If diagnostic administrations are occasionally made in patients' rooms and special care is taken to remove all paraphernalia, those rooms need not be surveyed.

   b. In laboratory areas where only small quantities of gamma-emitting radioactive material are processed (less than 200 microcuries at a time), survey monthly for removable contamination.

   c. In radiopharmaceutical storage and radiopharmaceutical waste storage areas, survey weekly for removable contamination.

2. The wipe sample assay procedure should be sufficiently sensitive to detect the presence of 200 dpm/100 square cm of removable contamination. You must use a radioactive source with a known amount of activity to convert sample measurements (usually in counts per minute) to dpm.

3. Immediately notify the RSO if you find unexpectedly high levels.

Records

1. Keep a record of exposure rate and contamination survey results. It must include the following information:

   a. The date, area surveyed, and equipment used.

b. The name or initials of the person who made the survey.

c. A drawing of the areas surveyed and contamination and exposure rate action levels as established by the RSO. (Recommended removable surface contamination action levels are published in Regulatory Guide 8.23, "Radiation Safety Surveys at Medical Institutions.")

d. Measured exposure rates in mR/hr or contamination levels in dpm/100 square cm, as appropriate.

e. Actions taken in the case of excessive exposure rates or contamination and follow-up survey information.

2. The RSO will review and initial the record at least monthly and also promptly in those cases in which action levels were exceeded.

Alternate method of assaying wipe test (smear test) samples in detecting surface contamination. Because of the relatively small quantities of radioactive materials used at our facility, we feel the following procedure is sufficient to detect surface contamination levels:

a. Wipe test samples will be assayed by holding the smear immediately adjacent to the open window of our low level g.m. survey meter. Care will be taken to avoid contamination of the probe.

b. The smear will be held adjacent to the probe for approximately 30 seconds to ensure that any contamination over normal background levels will be detectable.

c. Normal background levels at our facility are approximately 0.05 mR/hr. Any wipe test reading over that level will indicate the need to decontaminate the tested area.

REF: NRC 313 ITEM 11.1

WASTE DISPOSAL

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